







ANNUAL REPORT

OF THE

FIRE DEPARTMENT AND WIRE DIVISION

OF THE

CITY OF BOSTON

FOR THE

YEAR ENDING JANUARY 31, 1924



CITY OF BOSTON
PRINTING DEPARTMENT
1924

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ANNUAL REPORT

OF THE

FIRE DEPARTMENT

FOR THE YEAR 1923-24.

Boston, January 31, 1924.

HON. JAMES M. CURLEY,

Mayor of the City of Boston:

DEAR SIR,— I have the honor to submit, in accordance with section 24, chapter 3, Revised Ordinances of 1914, City of Boston, the annual report of the Fire Department for the year ending January 31, 1924.

FINANCES.

The total expenditure for the department for the year was \$3,669,450.65, which includes an appropriation of \$89,311.70 expended by the Wire Division.

The revenue for the department for the year amounted

to \$91,637.23.

Fire Loss.

During the year the department responded to 7,241 alarms, of which 3,810 were still alarms and 3,431 were box alarms. The total number of alarms for 1923 shows an increase of 1,107 over the year 1922, which signifies that the department experienced a very busy year. The fire loss of \$6,286,300 also shows a marked increase over previous years, and while this loss may be accounted

for in part to the inflation of property values since the World War, it can also be attributed to the fact that during 1923 we had at least eight disastrous fires, which of themselves account for almost the total of the difference between the loss of 1922 and that of 1924. The most serious fires where the heaviest losses were suffered were as follows:

January 16, 63 Mt. Vernon street	\$105,250
January 20, 73–75 South street, 170–180 Essex	
street	150,646
January 22, 118–128 Lincoln street	598,816
April 14, 185–187 State street	175,035
April 25, 116–124 Merrimac street	103,710
May 2, 217–219 State street, 114 Central street,	340,816
July 18, 374–394 Congress street	1,269,300
November 17, 209–211 State street	123,072

In addition to the total loss mentioned above there was a marine loss of \$14,121.

MOTORIZATION.

During the year 1923 twenty-four pieces of motor-driven fire fighting apparatus was purchased and installed in service. This large purchase of motor apparatus made it possible to complete the motorization of the department, and on October 18, 1923, the horse-drawn ladder truck attached to Ladder Company 24, North Grove street, was replaced by a motor-driven city service ladder truck, displacing our last piece of horse-drawn equipment. The motorization of the Fire Department has been extended over a long period of years, and followed a policy established by your Honor in 1912 to install a certain amount each year. This program was carried out effectively, with a slight interruption during the war years, and today we have in service and reserve, exclusive of chiefs' cars, coal and service cars, 145 pieces of motor-driven fire fighting equipment.

There still remains much work to be done along the lines of motorization. We have in service several pieces of tractor-drawn equipment which should be replaced by apparatus of the type which the department has accepted as standard. A formidable reserve equipment must be built up and maintained, and I earnestly recommend that the policy of purchasing a specified

amount of apparatus annually be continued for a few years more so that our equipment will be without comparison with any city in the country.

FIRE PREVENTION.

Much stress has been laid on the subject of fire prevention, and I believe considerable good has been accomplished along this line. In October Fire Prevention Week was observed in Boston as it never was observed before. The Fire Department sent out its appeal to schools, churches, civic and fraternal organizations, mercantile and commercial interests, and received hearty response and co-operation. In the report of the Chief of Department a detailed account is given of the activities of the week.

The work of the Bureau of Fire Prevention and Intelligence has continued to grow and expand. The following figures will show how the work of this bureau is increasing:

	Number of Permits.	Fees Received.	Inspections.
1921	10,268	\$11,114 50	104,961
1922	11,362	13,006 50	146,324
1923	12,611	15,651 00	186,734

It will be noted from these figures that the fees charged for permits are very small. In 1923 the average was at the rate of less than \$1.25 for each permit. It is very evident that in many cases the fee is a dollar or less. Practically every permit issued entails one of two inspections by the Fire Department, and I believe that the city is entitled to a fee commensurate with the cost of their inspections. I strongly recommend, therefore, that a complete revision be made of the schedule of fees charged for permits issued through the Bureau of Fire Prevention and Intelligence so that the city may obtain a fair return for the service rendered in issuing these permits.

FIRE ALARM BOXES.

There are 1,299 fire alarm boxes in service throughout the city, more than one thousand of which are accessible to the public. Exclusive of the boxes owned

by the Schoolhouse Department, 171 of these boxes are privately owned. During the year thirty-one new boxes were installed.

Buildings.

The most important step in the building program of the Fire Department in many years was taken when your Honor sent to the City Council an order appropriating \$500,000 for the erection of a new fire alarm station. For some time past the present fire alarm office has been a cause of grave concern to the officials of the Fire Department and to others whose business identified them with the protection of the city from fire. Many times recommendations have been made, but no action taken. The present fire alarm office is located in a congested section of the city, surrounded by many hazards, and more than once has been threatened by destruction by serious fires which have occurred in the neighborhood.

This year proper action has been taken. An isolated location in the Back Bay Fens has been selected, plans have been prepared and contracts have been made for a building and equipment that will assure the highest type of service and protection for this important branch of the Fire Department. The building should be completed in the spring of 1925, and when the change over is made from the present fire alarm office to the new office. Boston will have a fire alarm signal station un-

surpassed in the country.

Considerable attention has also been paid to the condition of our fire stations. Many of these buildings were erected years ago, and are not adapted to the conditions as they exist today. In many of the stations minor changes are being made to meet in a measure the changed conditions. Some of the buildings will have to be rebuilt from the ground up.

On June 27, 1923, the work of rebuilding the quarters of Engine Company 7, East street, was completed and

the building dedicated.

Plans have been drawn and a contract made for the erection of a new fire station for Engine Company 40, Sumner and Orleans streets, East Boston. This building will be torn down and a complete new structure erected.

At Engine 12, Dudley street; Engine 13, Cabot street; Engine 18, Harvard street; Engine 19, Norfolk

street; Engine 20, Walnut street; Engine 24, Warren street; Engine 27, Elm street, and Engine 28, Centre street, extensive repairs and alterations have been made to provide suitable housing facilities for the men and apparatus.

During the ensuing year appropriations should be provided if possible for a new fire station for Engine 21, Columbia road, Engine 17, and Ladder 7, Meeting House Hill, Engine 26–35, Mason street.

In regard to Engine 26-35 I would draw attention to the present location of that company in Mason street. Owing to the congestion of traffic on Mason street and West street, Engines 26 and 35 are severely handicapped in making prompt response to alarms of fire. The present location of these companies has nothing to recommend it for the purpose for which it is used. I earnestly recommend that these companies be moved to the junction of Shawmut avenue and Tremont street where a suitable station can be erected on land owned by the city. Quarters could be provided in the new station for Rescue Company 1 now housed in a station on Church street. The land on Mason street is highly assessed and with the sale of this site, together with the sale of the land and building on Church street, the city should receive an amount that will offset a great portion of the cost of a new fire station at Shawmut avenue and Tremont street. By the change of location the efficiency of these companies would not be lessened, but on the contrary would be increased, for the actual time consumed in getting out of Mason street is greater than the time it will take these companies to respond to their present assignments from the suggested location. Furthermore, the widening of Tremont street will make the proposed location an ideal one.

TWO-PLATOON SYSTEM.

During the past two months arrangements have been made for the inauguration of the two-platoon system in the Fire Department, which becomes effective on February 1, 1924. On this date thirty-three promotions will take effect and 210 new men will be appointed to the department to put the new system in operation. In many cities of the country the system was installed piece-meal, but arrangements have been made to have the entire department enter on this new system at 8 a. m., February 1, 1924. The new men have been examined, measured for uniforms, assigned and will report to their companies on the above date at 8 a. m. Considerable detail work was necessary to make this change-over without interfering with the efficiency of the department. The work had to be done by the clerical force at headquarters, and it is very gratifying to note here that the headquarters staff gave freely of their time and effort to co-operate with the Fire Commissioner and Chief of Department to install the system without confusion.

In the report of the Chief of Department appended hereto is a detailed account of how the new system will

operate.

Conclusion.

As always the members and employees of the department have manifested a spirit of devotion to duty and I am grateful to them for their co-operation in maintaining the Boston Fire Department at the high standard of efficiency for which it is recognized. To the heads of the various city departments, the public service corporations, the Boston Protective Department, and the public in general I express my thanks for the interest and co-operation manifested.

Appended hereto are the reports of the Chief of Department, the Superintendent of the Fire Alarm Branch, the District Chief in charge of the Bureau of Supplies and Repairs, the Medical Examiner, the Superintendent of the Wire Division, together with the schedules of the organization and equipment of the department, with tables showing the number of alarms, causes of fires,

fire loss, etc.

Yours very truly,

THEODORE A. GLYNN, Fire Commissioner.

REPORT OF CHIEF OF DEPARTMENT.

From: The Chief of Department. To: The Fire Commissioner. Subject: Annual Report.

I beg to submit the following summary of activities of the department in general for the fiscal year 1923–24:

FIRE LOSS.

Loss (exclusive of marine Marine loss				\$6,286,299 44
Marine loss	•	•		14,120 54
				\$6,300,419 98
Number of alarms .				7,241
Average loss each alarm				\$870
Number of actual fires				6,071
Average less each fire				\$1,038

Additions and Changes.

Apparatus.

April 27, 1923, a White truck, equipped for carrying coal, was installed as a fuel car at the quarters of Water Tower 2. Weight, fully equipped, without men, 10,115 pounds; 22.5 horse power.

April 27, 1923, Mack fuel truck was removed from the quarters of Rescue Company 1, Church street, and was placed in service at the quarters of Engine Company 38 and 39, Congress street, replacing Buick fuel truck.

May 5, 1923, a Christie tractor-drawn steam fire engine was placed in service with Engine Company 8, replacing a similar tractor-drawn engine. Weight, fully equipped, without men, 13,000 pounds; 48.6 horse power.

June 26, 1923, an American-LaFrance combination hose and chemical car was placed in service with Engine Company 7, making the company a double unit. Weight, fully equipped, without men, 9,000 pounds; 48.4 horse power.

July 13, 1923, an American-LaFrance 750-gallon combination pumper and hose motor car was placed in service with Engine Company 37. Weight, fully

equipped, without men, 12,000 pounds; 72 horse power.

This replaced a pumper of the same type.

July 17, 1923, an American-LaFrance 750-gallon combination pumper and hose motor car was placed in service with Engine Company 27. Weight, fully equipped, without men, 12,000 pounds, 72 horse power. This replaced a horse-drawn steam fire engine and three horses.

July 17, 1923, an American-LaFrance combination hose and chemical car was placed in service with Engine Company 27. Weight, fully equipped, without men, 10,500 pounds, 72 horse power. This replaced a horse-

drawn hose wagon and two horses.

July 17, 1923, an American-LaFrance 750-gallon combination pumper and hose motor car was placed in service with Engine Company 32. Weight, fully equipped, without men, 12,000 pounds; 72 horse power. This replaced a horse-drawn steam fire engine, horse-drawn hose wagon and five horses.

July 24, 1923, an American-LaFrance 750-gallon combination pumper and hose motor car was placed in service with Engine Company 9. Weight, fully equipped, without men, 12,000 pounds; 72 horse power. This replaced a horse-drawn steam fire engine and three

horses.

July 24, 1923, an American-LaFrance combination hose and chemical car was placed in service with Engine Company 9. Weight, fully equipped, without men, 10,500 pounds; 72 horse power. This replaced a horse-drawn hose wagon and two horses.

July 24, 1923, an American-LaFrance 750-gallon combination pumper and hose motor car was placed in service with Engine Company 40. Weight, fully equipped, without men, 12,000 pounds. This replaced

a horse-drawn steam fire engine and three horses.

July 24, 1923, an American-LaFrance combination hose and chemical car was placed in service with Engine Company 40. Weight, fully equipped, without men, 10,500 pounds; 72 horse power. This replaced a horse-

drawn hose wagon and two horses.

August 6, 1923, an American-LaFrance 750-gallon combination pumper and hose motor car was placed in service with Engine Company 34. Weight, fully equipped, without men, 12,000 pounds; 72 horse power. This replaced a horse-drawn steam fire engine and three horses.

August 6, 1923, an American-LaFrance combination hose and chemical car was placed in service with Engine Company 34. Weight, fully equipped, without men, 10,500 pounds; 72 horse power. This replaced a horse-drawn hose wagon and two horses.

August 14, 1923, an American-LaFrance 750-gallon combination pumper and hose motor car was placed in service with Engine Company 17. Weight, fully equipped, without men, 12,000 pounds, 72 horse power. This replaced a Christie tractor-drawn steam fire

engine.

August 14, 1923, an American-LaFrance motor-driven combination chemical and ladder truck was placed in service with Ladder Company 7. Weight, fully equipped, without men, 11,000 pounds; 72 horse power. This replaced a Robinson motor-driven city service truck.

August 20, 1923, an American-LaFrance motor-driven city service ladder truck was placed in service with Ladder Company 23. Weight, fully equipped, without men, 11,000 pounds; 72 horse power. This replaced a horse-drawn ladder truck and three horses.

September 14, 1923, the location of Water Tower 1 was changed from Bulfinch street (Engine 4) to Fort Hill square, occupying same building as Engine 25 and

Ladder 8.

September 18, 1923, an American-LaFrance motor-driven city service combination chemical and ladder truck was placed in service with Ladder Company 16; Weight, fully equipped, without men, 11,000 pounds; 72 horse power. This replaced a Christie tractor-drawn city service truck.

September 19, 1923, an American-LaFrance 750-gallon combination pumper and hose motor car was placed in service with Engine Company 29. Weight fully equipped, without men, 12,000 pounds; 72 horse power. This replaced a horse-drawn steam fire engine

and three horses.

September 19, 1923, an American-LaFrance combination hose and chemical car was placed in service with Engine Company 29. Weight, fully equipped, without men, 10,500 pounds; 72 horse power. This replaced a horse-drawn hose wagon and two horses.

September 28, 1923, an American-LaFrance motordriven city service ladder truck was placed in service with Ladder Company 27. Weight, fully equipped, without men, 11,000 pounds; 72 horse power. This replaced a horse-drawn city service truck and three horses.

October 5, 1923, an American-LaFrance motor-driven city service ladder truck was placed in service with Ladder Company 19. Weight, fully equipped, without men, 11,000 pounds; 72 horse power. This replaced a horse-drawn city service truck and three horses.

October 8, 1923, a Christie tractor-drawn city service truck was placed in service with Ladder Company 3. Weight, fully equipped, without men, 13,500 pounds; 48.4 horse power. This replaced a horse-drawn city service truck and three horses.

October 8, 1923, an American-LaFrance 750-gallon combination pumper and hose motor car was placed in service with Engine Company 22. Weight, fully equipped, without men, 12,000 pounds; 72 horse power. This replaced a Christie tractor-drawn steam fire engine.

October 15, 1923, an American-LaFrance four-wheel tractor, 75-foot aerial truck, was placed in service with Ladder Company 2. Weight, fully equipped, without men, 17,000 pounds; 72 horse power. This replaced a

horse-drawn truck and three horses.

October 17, 1923, an American-LaFrance four-wheel tractor, 75-foot aerial truck was placed in service with Ladder Company 9. Weight, fully equipped, without men, 17,000 pounds; 72 horse power. This replaced a horse-drawn truck and three horses.

October 18, 1923, an American-LaFrance motor-driven city service ladder truck was placed in service with Ladder Company 24. Weight, fully equipped, without men, 11,000 pounds; 72 horse power. This replaced a

horse-drawn city service truck and three horses.

October 26, 1923, a Christie tractor-drawn steam fire engine was placed in service with Engine Company 3. Weight, fully equipped, without men, 13,000 pounds; 48.4 horse power. This replaced a steam fire engine of

the same type.

December 12, 1923, a Christie tractor-drawn steam fire engine was placed in service with Engine Company 42. Weight, fully equipped, without men, 13,000 pounds; 48.4 horse power. This replaced a steam fire engine of the same type.

December 18, 1923, an American-LaFrance 750-gallon combination pumper and hose motor car was placed in service with Engine Company 48. Weight, fully equipped, without men, 12,000 pounds; 72 horse power. This replaced a Christie tractor-drawn steam fire engine.

January 4, 1924, an American-LaFrance combination hose and chemical car was placed in service with Engine Company 45. Weight, fully equipped, without men, 10,500 pounds; 72 horse power. This replaced a similar make of hose car of less power, which was later placed in service with Engine 18.

January 19, 1924, an American-LaFrance combination hose and chemical car was placed in service with Engine Company 18. Weight, fully equipped, without men, 9,000 pounds; 48. 4 horse power. This replaced a combination hose and chemical car of the same type.

Chiefs' Automobiles.

A new Buick coupe was purchased for the use of the Chief of Department, and also three Buick roadsters for use by various chief officers, thus replacing vehicles that had become worn through constant service.

Buildings.

The following new and alteration work has been completed during the fiscal year ending January 31, 1924:

Engine House 7, East street, was entirely rebuilt and

dedicated on June 27, 1923.

An electric passenger elevator was installed at Fire Headquarters. This is something which has been badly needed for years, in view of the large number of people who call at the headquarters' building, not only to the Fire Commissioner's office, but also to the Fire Prevention Bureau and Wire Division, for permits, etc., and a great many complaints have been made in the past from the public on account of having to climb the long winding stairs to reach the various offices where they have business to transact.

At Engine House 13, Cabot street, the second floor was completely remodeled, adding a new shower bath and entire new plumbing, lieutenant's room and locker rooms.

At Engine House 18, Harvard street, new shower baths, sink room, toilets, building lockers, dressing

rooms, etc., were installed; also steam changes, mason work, and plastering and painting entire quarters.

At Engine House 12, Dudley street, concreting main and cellar floors, new main doors, new hose rack, plumbing changes.

At Engine House 19, Babson street, thorough change and remodeling of second floor, moving dormitory to rear, building new lieutenant's, wash, locker and shower rooms; installing a magnesite floor, together with necessary changes in heating and complete new plumbing.

At Engine House 24, Warren street, a new shower bath installed and dormitory enlarged across the end of building, this being made possible by discontinuance of hay loft.

At Engine House 20 and Ladder 27, Walnut street, shower bath and sink room installed, excavating and extending boiler room, building concrete wall over face of old foundation, rebuilding chimney and installing window.

At Engine House 27, Elm street, Charlestown, there was a reinforced floor slab laid in apparatus room, concrete floor in basement, steam boiler relocated in cellar, new radiators installed as necessary throughout the

house, also necessary plumbing.

At Engine House 28, Centre street, Jamaica Plain, there was a new reinforced concrete floor installed in apparatus room as well as in discontinued rear stable. To complete the entire remodeling of this building, a contract was awarded for brick wainscoting, fireproof plastering, inside finish, steam heating, captain's toilet room and electrical work.

At Engine House 32, Bunker Hill street, Charlestown, a shower bath was provided, together with other new

plumbing.

At Chemical 7, Saratoga street, East Boston, a shower bath was installed and various minor improvements.

At the fire alarm shop, Wareham street, automatic

sprinklers were installed.

Plans were drawn and contract let for a new house to take the place of Engine House 40, Sumner street, East Boston, which was in a dangerous condition, and the work is now progressing. While this work is under construction, the quarters of Engine Company 40 have been moved to Chemical 7, Saratoga street.

Oil burning equipment has been installed in the following houses:

Engine	1	Engine 22
Engine	4	Engine 25
Engine	5	Engine 28
Engine	6	Engine 48
Engine	7	Ladder 4
Engine	9	Chemical 7
Engine	15	Repair Shop

APPARATUS AND EQUIPMENT.

Thorough inspections and test of apparatus, equipment and hose were conducted at various times during the year. Where defects were found, replacements and repairs were immediately made, in order that the efficiency of the department should not be impaired at any time.

Building Inspection.

The usual practice of systematic weekly inspection by officers was continued throughout the year, as it has been our experience that constant attention in this respect is essential, as it is a fact that many property owners and tenants disregard the warnings of this department to clear stairways, dispose of unsightly and dangerous accumulations, and to comply with the city ordinances. It is only in this way that the safety of tenants and employees can be assured.

Theatres, moving-picture houses, and halls were inspected weekly, particular stress being laid upon the condition of fire-extinguishing appliances, as in a great many instances in the past the owners of these particular types of structures have been prone to neglect this

phase of protection for their patrons.

All public buildings and schoolhouses were inspected monthly, and conditions as found were reported through channels to department headquarters. Defective conditions were noted and immediate steps were taken to

remedy same.

Some 50,000 inspections were made during the year by the regular Fire Prevention inspectors, and wherever defective conditions were noted, same were followed up closely until remedied, and in instances where occupants failed to comply with our requests, they were referred to the State Fire Marshal's office for further handling. At various times during the year, the entire inspection force was concentrated in certain sections of the city, where we had reason to believe that bad business con-

ditions had affected those districts.

The "Fire Card" which was referred to in my last annual report as in the process of preparation, was placed in operation during the year. This card shows the vital parts of a building, the means of egress to the top and to the basement, also vertical and horizontal openings, and the openings, if any, into adjoining buildings. The ground plan is drawn on the back of these cards. All of the officers of the department have been instructed in the use of this card, and have been brought to as high a state of efficiency as possible in order that the attack of the fire department on a building or any part of a building may be effected with the least possible delay.

MUTUAL AID.

The department responded to thirty-seven (37) alarms of fire outside of the city limits, divided as follows:

Cambridge								1
Somerville								10
Nantasket								1
Chelsea .								5
Milton .	٠	٠						19
Brookline				•		•	•	1

It is a source of gratification to note that a great deal of good has resulted by this plan of interchange of service in time of urgent necessity.

Drill School.

During the year fifty (50) appointees successfully passed the thirty days' intensive course of instruction, as well as one member of the Melrose and one member of the New Bedford Fire Departments. Thirty-eight (38) Boy Scouts also received instructions therein.

FIRE COLLEGE.

Forty-two (42) officers and members of this department attended the lectures at the Fire College. One officer of the Newton Fire Department also attended the course of lectures. All the officers of this department received special instructions in regard to the Fire Card.

COMPANY DRILLS.

The Company Drills at Headquarters, which commenced September 4, 1923, and finished October 30, 1923, have been very satisfactory in their results. Each company was drilled in ten evolutions, namely:

- 1. Connect two lines, 100 feet each, from engine to deluge set.
- 2. Connect two lines, 100 feet each, from engine to Morse gun.
- 3. Raise 50-foot ladder to fourth floor window and dog same.
- 4. Run 200 feet $2\frac{1}{2}$ -inch line over 50-foot ladder, up stairway and show pipe out fifth floor window.
- 5. Raise 30-foot ladder to fire escape, earry 17-foot roof ladder over same to story above. Dog 30-foot ladder.
- 6. Run 250 feet $2\frac{1}{2}$ -inch line over 30-foot ladder over fire escape to roof, 75 feet from ground.
- 7. Take life line and haul 25-foot ladder to roof 75 feet from ground.
 - 8. Take life line, haul 200 feet 2½-inch hose to roof.
- 9. Run 100 feet $2\frac{1}{2}$ -inch hose from engine, connect Morse gate and Bresnan nozzle.
- 10. Connect chuck to hydrant (flexible suction) water to engine.

The following tables show the result of the drills in which all companies participated, except the three fireboat crews. These tables show the list of companies drilling, the time consumed in each evolution, and time consumed by each company in completing all evolutions.

DIVISION ONE.

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Engine Company 5	81	9	32		27	н	6	Н	21		55		46	21	4	4	43	18	~~	38	6	51
Engine Company 40	-	6:	30		32	-	12	7	34		39	_	45	1 4	45	37		15		34	0	23
Ladder Company 21, Chemical 7	Н	-6	36		39	ī	7	-	50		42	-	36	- 2	36	4	45	23		33	6	26
Engine Company 11	C1	10	26		19	-	12	-	20		44	-	39	1 2	27	43		27		33	∞	50
DISTRICT No. 2.																	_					
Ladder Company 9	63	7	33		21.		58		12		46	-	46	- 1	25	4	42	- 23		- 23	6	17
Engine Company 36	2	7	37		27	Т	15	1	31		59		48	1 3	88	39		23		- 28	6	45
Engine Company 50	_	7	24		26	1	9	-	19		53	-	46		37	45	10	17		22	∞	55
Ladder Company 22	-	7	26	_	25	-	6	-	10		47	_	18	1 4	44	37		21		35		32
Engine Company 32	2	9	36		26	-	47	1	54		4	-	48	53	က	51		20	_	35	=	24
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FIRE PREVENTION WEEK.

October 7 to 13, inclusive, was observed as Fire Prevention Week and the most intensive campaign in the history of the department was conducted along this line. Every possible agency was brought into play to make this week a success. Civic organizations, mercantile and manufacturing interests, department stores, churches, schools (both public and parochial), fraternal organizations, Boy Scouts, Camp Fire Girls, women's clubs, local Boards of Trade and Improvement Associations, insurance and underwriting interests, theaters and moving picture houses, newspapers, municipal departments, etc.

The film called "FIRE" furnished by the National Board of Fire Underwriters was displayed at different theaters during the week, as well as numerous slides containing short and pithy statements regarding the importance of fire prevention. Many of the theaters printed in their programs a notice calling attention to

Fire Prevention Week.

Fifty thousand "Home Inspection" blanks were distributed among the various schools of the city, and these blanks were checked up and conditions corrected where found necessary. Six hundred copies of the book "Safeguarding the Home against Fire" were also distributed among the schools. This book, which is issued by the National Board of Underwriters, contains much valuable information which if imparted to the school children in a proper manner will produce wonderful results.

Thousands of posters, fliers, etc., were posted in conspicuous places throughout the city, in shops, store windows, elevated and subway stations, bill boards, on taxi windows, in fact, everywhere where they could be placed to advantage. Thousands of our own Fire Prevention leaflets were distributed, and this same leaflet brought more favorable comment than anything else which was issued during the campaign.

Various officers and members of the department gave short four-minute talks in the schools and other places of assembly. All houses of the department were open to the public and instructions were given on how to properly send in an alarm of fire, and short talks given. This department, co-operating with the Massachusetts Safety Council, set-up, maintained and furnished men to operate a fire alarm box at the Health Show in Mechanics Building during that week, and these men also gave short talks on Fire Prevention.

A truck with a fire alarm box set up thereon, with members to give instructions regarding same, was operated throughout the city during that week, and another horse-drawn truck bearing large signs with pertinent facts regarding Fire Prevention, was also

operated daily throughout the city.

A circular letter was sent to over three hundred of the leading merchants, manufacturers, wool and cotton interests, paint and hardware concerns, etc., calling upon them to establish self-inspection systems in their various lines of business, and calling their attention to the importance of Fire Prevention to those to whom it really means the most, namely, the employers throughout the city, and in turn to their employees.

In all, we estimate that approximately five hundred thousand people were reached directly during this Fire Prevention campaign, and I feel safe in saying that it was the most intensive of its kind ever conducted in the City of Boston, and I feel certain that very beneficial

results will accrue therefrom.

HYDRANTS.

The following is a list of the types and number of each, of hydrants, in service for fire purposes, as of January 31, 1924:

Ordinary post							4,147
Boston post.							3,231
Lowry							1,392
							561
Bachelder & H	linne	ran j	post				597
High pressure							370
Boston .							268
Chapman post							187
Ludlow post							20
Matthew post							4
Coffin post.							1
Total .							10,777

HIGH PRESSURE SYSTEM.

The records of our two high pressure stations for the year are as follows:

Station No. 1.— Total alarms to which pumps responded, 169; total time pumps actually operated, 58 hours 3 minutes; water discharge recorded on Venturi meters, 1,450,000 gallons.

Station No. 2.— Total alarms to which pumps responded, 131; total time pumps actually operated, 61 hours 46 minutes; water discharge recorded on Ven-

turi meters, 805,000 gallons.

(Owing to the construction of the Venturi meters, they do not record flows under six hundred gallons per minute.)

The total amount of pipe installed in the High Pressure Fire System up to January 1, 1924, is as follows:

12-inch Pipe.	16-inch Pipe.	20-inch Pipe.
18,613 feet.	33,701 feet.	20,140 feet.
3.53 miles.	6.38 miles.	3.81 miles.

Total amount of piping in system: 72,454 feet, or 13.73 miles.

Total Length of Pipe that Will be in Completed System.

12-inch Pipe.	16-inch Pipe.	20-inch Pipe.	Total.		
33,956 feet. 6.43 miles.	39,824 feet. 7.54 miles.	24,661 feet. 4.67 miles.	98,441 feet. 18.64 miles.		

Total number of hydrants in service, 370.

The high pressure problem in the City of Boston has long since passed through the experimental stages, and from the practical work performed under stress it has proven an absolute necessity in the extinguishment of fires in the high value section of the city.

SIGNS ON SPRINKLER SYSTEM ALARM GONGS.

With your approval and that of the Boston Board of Fire Underwriters, a uniform sign was adopted which may be placed near the outside sprinkler alarm gong to indicate its purpose and to suggest action in case the gong is ringing. This is an enameled iron sign $11\frac{1}{2}$ inches by 15 inches, with the words, "Sprinkler Fire Alarm—When Bell Rings call Police or Fire Department" in white lettering on a red background.

Recommendations have been made that this sign be placed on all buildings having sprinkler systems so that the loss of valuable time will be avoided in sending in alarms of fire, incidentally reducing the loss by water and also by fire, through expediting the Fire Department's response.

TWO-PLATOON SYSTEM.

In accordance with orders, I visited the cities of Philadelphia, Buffalo, Chicago, Detroit, Cleveland and New York, for the purpose of investigation and study of the so-called two-platoon system for fire departments.

So far as the efficiency of the fire fighting service goes, the two-platoon system has not lessened it in these cities, with one exception, but if anything, has actually

increased the efficiency.

There are, in general, two well recognized methods of operating the two-platoon system. The first in the twenty-four hour shift -i. e., where one-half of the department is on duty for twenty-four hours and is then relieved by the other half of the department, and so on. This amounts virtually to a day off in two, without meal hours for the shift on duty. This system is now in force in Cleveland, Chicago and Detroit. In Chicago, some of the men do not like this plan on account of the question of meals.

The second method of operation is on the basis of two shifts in every twenty-four hours, generally ten and fourteen hours alternated, in some cases the alternation coming by days, in other cases the alternation coming by weeks. This latter method is the one which is to be adopted by our department, one shift being from 8 a. m. to 6 p. m., and the other from 6 p. m. to

8 a. m., and the tour of duty will be as follows:

First Day.	Second Day.	Third Day.	Fourth Day.	Fifth Day.	Sixth Day.
On day.	On day.	On 24 hours.	On night.	On night.	Off 24 hours.

Every one of the cities mentioned found it necessary to put on a considerable number of additional men, in order to put the two-platoon system into operation without loss of efficiency to the fire service, and to install this system in the Boston Fire Department it will require an increase in officers and men as follows:

3 Deputy Chiefs.
15 District Chiefs.
7 Captains.
8 Lieutenants.
177 Privates.
210 Total — All grades.

One of the principal benefits which will accrue to the department with the installation of the Two-Platoon System is the increase in man-power in the different companies with a corresponding increase in efficiency. For example, under the day-in-three system, the actual fire fighting force of the department is approximately 1,200 officers and men, which gives us actually for duty every day two-thirds of 1,200 or 800 officers and men. Take into consideration also that during almost 12 hours of the 24, one-third of this 800 are at meals, and we find that during almost 12 continuous hours of every day we have in the apparatus houses 534 men ready for immediate response to an alarm, or less than 50 per cent of our total force. Under the Two-Platoon System we will have on duty approximately 725 men ready for immediate response during every hour of the twentyfour.

Under the day-in-three plan, many leaves of absence were granted for various important reasons, when the strength of forces would allow, much of which will be eliminated under the Two-Platoon System, in view of the fact that many things that now require a leave of absence will be attended to on the men's off time.

Of course, from a humanitarian standpoint, the greatest benefit accruing from this System is the fact that the men will be enabled to spend a good portion of their time with their families, which is one of the greatest hardships of the day-in-three or five, etc., systems, whereby men were home only one day in three or five, except for the short time allowed for meal hours, and in a great many cases members are located in companies

which are so far from their homes that they are able

to see their families only on their days-off.

The total additional outlay for the first year which will be made necessary by the installation of the Two-Platoon System, including the cost of uniforms, fire hats, etc., and salaries of additional officers and privates, is estimated at \$349,647.50.

RECOMMENDATIONS.

Apparatus.

I earnestly recommend the purchase of the following major motor-driven fire-fighting apparatus, to be located in the houses specified:

Engine 4, Bulfinch Street, West End.— One 750-gallon pumper to replace Christie tractor-drawn steam fire

engine.

Engine 33, Boylston and Hereford Streets, Back Bay.— One 750-gallon pumper; one combination chemical and hose car to replace Christie tractor-drawn steam fire engine and a Seagrave hose motor car which is practically worn out.

Engine 39, Congress Street, South Boston.—One 750-gallon pumper to replace a Christie tractor-drawn steam

fire engine.

Engine 42, Washington Street, Egleston Square.— One 750-gallon pumper to replace a Christie tractor-drawn

steam fire engine.

Note.— The boilers on the four (4) tractor-drawn steam fire engines mentioned above have so far deteriorated as to necessitate the expenditure of considerable money for new boilers.

Engine 14, Centre Street, Roxbury.— One combination chemical and hose car to replace Knox hose car which

is practically worn out.

Engine 16, River and Temple Streets, Dorchester Lower Mills.— One combination chemical and hose car. This installation required to make this a double-unit company.

Engine 43, Andrew Square, South Boston.— One combination chemical and hose car to replace Velie hose

car which is practically worn out.

Ladder 6, River and Temple Streets, Dorchester Lower Mills.— One city service truck to replace worn-out tractor drawn truck.

Ladder 26, Longwood and Brookline Avenues, Back Bay.— One city service truck to replace worn-out tractor drawn truck.

Ladder 4, Dudley Street, Roxbury.— One four-wheel tractor. Front drive on this particular apparatus is worn out in service and should be replaced as soon as possible.

Ladder 17, Harrison Avenue, City Proper.— One fourwheel tractor. Front drive on this particular apparatus is worn out in service and should be replaced as soon as

possible.

I would also recommend the purchase of a new rescue wagon, specifications to be drawn for same which will cover the carrying of delicate mechanism such as gas masks, etc., and the establishment of a new rescue company, in view of the fact that the present running card of Rescue Company No. 1 is really too much for one company to handle properly.

I would further recommend the purchase of two fivepassenger cars for replacement of cars in service of deputy chiefs, and four roadsters to replace cars in use by district chiefs. All of these cars are practically

worn out in service.

NEW BUILDINGS.

Engine 21, Columbia Road, Dorchester.— New building on present foundation.

Engine 17, Ladder 7, Meeting House Hill, Dorchester.—

New building on a new site.

I would also recommend a new bungalow fire station

and site in West Roxbury.

I further recommend the location of a new engine company in the vicinity of Jersey and Boylston streets, owing to the rapid growth in that district, and it is both a business and dwelling section which requires more adequate protection than it has at the present time. Recent building operations in that locality have been in leaps and bounds and the distance on center between Engine House 37, located at Longwood avenue and Brookline avenue, Engine House 41 on Harvard street, Allston district, and Engine 33 at Boylston and Hereford streets would show clearly that more protection is required.

I also recommend that a new fire station be built at the junction of Tremont street and Shawmut avenue over the subway, and that Engine Company 26 and 35 and High Pressure Company be removed from their present location on Mason street to new location herein mentioned. Included in this new structure, room should be made also for the quarters of the Rescue Company and also the Chief of Department.

REMODELING AND FIREPROOFING.

Engine 12, Dudley Street.—Finishing first floor, remodeling second floor.

Engine 27, Elm Street, Charlestown.— Finishing first floor, brick, plaster and finish.

Engine 19, Norfolk Street, Mattapan.— Fireproof floor slab, finishing walls and ceiling.

Engine 34, Western Avenue, Brighton.— Fireproofing floor, walls and ceiling.

Engine 20 and Ladder 27, Walnut Street, Dorchester.— This building is clearly off center and should be considered for relocation.

Engine 11 and Ladder 21, Saratoga Street, East Boston.— Fireproof floor slab, fireproofing walls and ceiling, improvements.

Engine 37 and Ladder 26, Longwood Avenue, Back

Bay.— Rebuilding.

Engine 24, Warren Street, Roxbury.— Reinforced floor,

fireproofing walls and ceiling, first floor.

Engine 32, Bunker Hill Street, Charlestown.— Reinforced floor, fireproofing walls and ceiling, first floor, remodeling second floor.

Engine 13, Cabot Street, Roxbury.— Fireproofing first

floor, walls and ceiling.

Engine 42 and Ladder 30, Egleston Square.— Fire-proofing first floor, remodeling second floor.

Ladder 17, Harrison Avenue, City Proper.— Fire-proofing first floor, alterations on second.

Engine 6, Leverett Street, West End.— Fireproofing first floor and remodeling.

Engine 2, Fourth Street, South Boston.— Fireproofing

first floor, walls and ceiling.

Ladder 23, Washington Street, Dorchester.— Finishing alterations second and third floors.

Engine 3, Harrison Avenue, South End.—Fireproofing first floor, walls and ceiling.

Ladder 3, Harrison Avenue, South End.—Fireproofing

first floor, walls and ceiling.

Engine 22 and Ladder 13, Warren Avenue, South End.—Fireproofing first floor, walls and ceiling, remodeling.

Engine 23, Northampton Street, Roxbury.— Fireproof-

ing first floor, walls and ceiling, remodeling.

Engine 29 and Ladder 11, Chestnut Hill Avenue,

Brighton.— Fireproofing first floor and ceiling.

Engine 36 and Ladder 22, Monument Street, Charlestown.— Fireproofing first floor, walls and ceiling.

Engine 45 and Ladder 16, Washington Street, Roslin-

dale.— Fireproofing floor, walls and ceiling.

Engine 48 and Ladder 28, Harvard Avenue, Hyde

Park.—Fireproofing first floor, walls and ceiling.

Ladder 12, Tremont Street, Roxbury.— Fireproofing floor, walls and ceiling, also remodeling first floor.

Engine 9 and Ladder 2, Paris Street, East Boston.—

Fireproofing first floor, walls and ceiling.

Ladder 9, Main Street, Charlestown.— Fireproofing first floor, walls and ceiling.

Engine 47 (fireboat).—Repairs and improvements.

Ladder 24, North Grove Street, West End.— Fireproofing first floor, walls and ceiling.

Rescue 1, Church Street.— Fireproofing first floor,

walls and ceiling.

Engine 18, Harvard Street, Dorchester.— Fireproofing floor, walls and ceiling.

Engine 30 and Ladder 25, Centre Street, West Roxbury.

Fireproofing floor, walls and ceilings.

Engine 16 and Ladder 6, River Street, Dorchester Lower Mills.— Fireproofing first floor, walls and ceiling.

Conclusion.

To the Boston Board of Fire Underwriters, the National Board of Fire Underwriters, the New England Insurance Exchange, and the National Fire Protection Association, who so kindly co-operated with this department in the development of many progressive measures, I wish to extend my sincere appreciation. Also to the various municipal departments, public service corporations, and the Boston Protective Department, which rendered such valuable assistance during the past year, I wish to express my thanks.

Finally, to the members of the department who so devotedly and efficiently performed their many difficult and, at times, hazardous tasks, I wish to express my heartfelt gratitude, and it is my hope that the department will continue its place among the foremost fire departments throughout the world, with a continuance of the same high caliber of service, as in the past.

Respectfully,

John O. Taber, Chief of Department.

FIRE ALARM BRANCH.

From: The Superintendent of Fire Alarm Branch.
To: The Fire Commissioner.
Subject: Annual Report of Fire Alarm Branch, 1923–1924.

I submit herewith the annual report of the Fire Alarm Branch for the fiscal year ending January 31, 1924:

OPERATING DIVISION.

Note.— The records of this division are for the calendar year 1923.

Roy	AT ADMG	RECEIVE	D 4 37D	TRANT	a A TOMBA	n.
DOX	ALARMS	TECEIVE	D AND	IKAN	SMITTE	υ.
First alarms						. 3,181
Second alarms						
Third alarms						
Fourth alarms						
Fifth alarms						
Total .						. 3,266
Box Ai	LARMS R	ECEIVED I	BUT NO	от Тка	NSMIT	red.
Same box rece Adjacent boxe Received from	s receive	d for same	e fire			
STILL	ALARMS	RECEIVE	AND	IRANS	SMITTE	D.
Received from	citizens	(by telep)	hone)			. 2,058
Received from						. 329
Received from), 1,327
Received from						· 2
Mutual Aid al					s, classe	ed
_as stills .						
Emergency se	rvices, cl	assed as s	tills			. 58
Total .						. 3,810

Still alarms received by telephone for which box alarms were later transmitted	250
AUTOMATIC AND A. D. T. ALARMS.	
Boston Automatic Fire Alarm Company: Transmitted by company to department stations Department box alarms transmitted in connection with Before automatic alarm	198 same: 10
After automatic alarm	16
Received at fire alarm office Department box alarms transmitted in connection with Before A. D. T. alarm was received	51 same: 7
After A. D. T. alarm was received	2 3
A. D. T. alarms transmitted to department	41
Summary of Alarms.	
Alarms received: Box alarms, including multiples	3,784 3,808
Still alarms, all classes	198 51
	7,841
Excludes following duplications: Box alarms received but not transmitted Still alarms for which box alarms were transmitted Automatic alarms for which have alarms	518 250
Automatic alarms for which box alarms were transmitted	26
viously transmitted	10
Total duplications eliminated	804
Total alarms, with duplications eliminated, to which apparatus responded	7,037
FIRE ALARM BOX RECORDS.	
Boxes from which no alarms were received Box tests and inspections	422 8,736
CONTRIBUTION DIVIDION	

CONSTRUCTION DIVISION.

EXTERIOR WORK.

In the regular work done during the year about 5,760 feet of underground ducts were laid, 29 new box posts

were set, 34 new boxes were connected into service and about 59,000 feet of underground cable was installed.

For connections to the proposed new signal station in the Fenway district an agreement was made with the telephone company whereby about 17,000 feet of ducts were installed underground. Of this amount 10,600 feet are to be reserved for the use of this department. In addition to that work eight large size cable terminal posts were installed. About 1,475 feet of ducts were used to connect these posts to the conduit system.

NEW FIRE ALARM SIGNAL STATION.

For several years past efforts have been made to obtain a building to house the central office fire alarm equipment in a location free from conflagration hazard. The necessity of such action was made more imperative because the present equipment was insufficient to meet the requirements. The Boston Board and the National Board of Fire Underwriters strongly urged that action be taken, but it remained for the present administration to do something definite. When the project was finally started the Chamber of Commerce heartily endorsed it.

An appropriation of \$500,000 was made and a site was selected in the Back Bay Fens with the consent of the Legislature. At this time, the beginning of the fiscal year 1924–25, the contract for the fire alarm equipment amounting to \$217,000, has been made with the Gamewell Fire Alarm Telegraph Company. The conduits necessary to connect the present underground cable system with the new building have been laid, cable terminal posts have been installed, the contract for all necessary cables has been made and the plans and specifications for the construction of the building have been completed.

RADIO.

Four transmitting and receiving radio stations have been installed, one at Fire Headquarters in the fire alarm office and one on each of the three fire boats. It is now possible to be in direct communication at all times with each of the boats.

Underground Cables Installed.

Charlestown.

Medford	street,	from	Ch	elsea	str	eet	to	Cond.	Feet.
Decatur								10	266

Medford street, from Cook street to Tufts	Cond.	Feet.
street	6	2,508
Carney street, from Bunker Hill street to Medford street	C	0.07
Building connections	6 4	867 108
Dunding connections	4	108
South Boston.		
I street, from Broadway to East Sixth street,	10	1,022
East Fourth street, from I street to K street,	10	701
K street, from East Fourth street to East		• • • •
Fifth street	10	279
Broadway from Dorchester street to G	6	348
G street, from Broadway to East Sixth	U	343
street	6	939
I street, from Broadway to East First street,	6	1,032
East First street, from I street to K street,	6	684
Dorchester.		
River street, from Central avenue to Blue	15	C 490
Hill avenue	15	6,420
to Freeport street	10	2,282
Adams street, from Codman street to Granite		
Adams street, from King square to Granite	10	1,146
avenue	6	5,811
Washington street, Aspinwall road, Whitfield	· ·	0,011
street and Talbot avenue, Box 3355 to		
Box 3354	6	1,658
River street and Central avenue, from Engine 16 to Milton	6	1,505
Bowdoin, Olney and Richfield streets, from	U	1,000
Box 3185 to Box 3187	6	1,543
Post and pole connections	10	484
Post and pole connections	$rac{6}{4}$	1,511 1,170
1 ost and pole connections	4	1,170
Hyde Park.		
River street, from Malta street to Metropoli-		
tan avenue	15	5,641
Pole connections	6	375
Roxbury.		
Beacon and St. Mary's streets, from Audubon		
circle to Mountfort street	6	1,500

Ipswich and Boylston streets from Lans-		
	Cond.	Feet.
downe street to Jersey street	6	1,691
Quincy street, from Dacia street to Mag-	Ŭ	1,001
nolia street	10	1,460
nolia street	6	
	U	12.
$West\ Roxbury.$		
Belgrade avenue, from Walworth street to		
Colberg avenue, Colberg avenue, Loraine		
street, Belgrade street, Beach street, and		
Anawan avenue to Park street	6	7,040
Manla street from Centre street to Perefrot	U	7,040
Maple street, from Centre street to Pomfret	6	0.107
street	0	2,197
Poplar street, from washington street to	c	1.050
Hillside avenue	6	1,950
Cornell street, from Colberg avenue to		0.50
Aldrich street	6	253
Post connections	10	
Aldrich street	4	58
·		
Brighton.		
· · · · · · · · · · · · · · · · · · ·		
Cambridge street, from North Harvard		0.074
street to Box 5211	6	2,074
street to Box 5211 Corey road, from Wellington to Windsor		
Corey road, from Wellington to Windsor road	6	1,354
Corey road, from Wellington to Windsor road	6	259
Corey road, from Wellington to Windsor road	_	259
road	6	259
road	6 4	259 422
road	6 4 LEN	259 422 GTHS TO
road Pole connections Post connections FIRE ALARM BOX POSTS INSTALLED WITH DUCT SAME. Charlestown. Medford and Pearl streets Medford and Cottage streets Medford and Decatur streets Medford street, opposite Tufts street	6 4 LEN	259 422 GTHS TO
road	6 4 LEN	259 422 GTHS TO 16 feet 16 feet 20 feet 42 feet
road Pole connections Post connections FIRE ALARM BOX POSTS INSTALLED WITH DUCT SAME. Charlestown. Medford and Pearl streets Medford and Cottage streets Medford and Decatur streets Medford street, opposite Tufts street Dorchester.	6 4 LEN	259 422 GTHS TO 16 feet 16 feet 20 feet 42 feet
road Pole connections Post connections FIRE ALARM BOX POSTS INSTALLED WITH DUCT SAME. Charlestown. Medford and Pearl streets Medford and Cottage streets Medford and Decatur streets Medford street, opposite Tufts street Dorchester. Hamilton and Barry streets Richfield street and Puritan avenue	6 4 LEN	259 422 GTHS TO 16 feet 16 feet 20 feet 42 feet 120 feet 7 feet
road Pole connections Post connections Post connections FIRE ALARM BOX POSTS INSTALLED WITH DUCT SAME. Charlestown. Medford and Pearl streets Medford and Cottage streets Medford and Decatur streets Medford street, opposite Tufts street Dorchester. Hamilton and Barry streets Richfield street and Puritan avenue Adams street, opposite Centre street	6 4 LEN	259 422 GTHS TO 16 feet 16 feet 20 feet 42 feet 120 feet 7 feet 7 feet
road Pole connections Post connections Post connections FIRE ALARM BOX POSTS INSTALLED WITH DUCT SAME. Charlestown. Medford and Pearl streets Medford and Cottage streets Medford and Decatur streets Medford street, opposite Tufts street Dorchester. Hamilton and Barry streets Richfield street and Puritan avenue Adams street, opposite Centre street	6 4 LEN	259 422 GTHS TO 16 feet 16 feet 20 feet 42 feet 120 feet 7 feet 7 feet
road Pole connections Post connections Post connections FIRE ALARM BOX POSTS INSTALLED WITH DUCT SAME. Charlestown. Medford and Pearl streets Medford and Cottage streets Medford and Decatur streets Medford street, opposite Tufts street Dorchester. Hamilton and Barry streets Richfield street and Puritan avenue Adams street, opposite Centre street	6 4 LEN	259 422 GTHS TO 16 feet 16 feet 20 feet 42 feet 120 feet 7 feet 7 feet
road Pole connections Post connections Post connections FIRE ALARM BOX POSTS INSTALLED WITH DUCT SAME. Charlestown. Medford and Pearl streets Medford and Cottage streets Medford and Decatur streets Medford street, opposite Tufts street Dorchester. Hamilton and Barry streets Richfield street and Puritan avenue Adams street, opposite Centre street	6 4 LEN	259 422 GTHS TO 16 feet 16 feet 20 feet 42 feet 120 feet 7 feet 7 feet
road Pole connections Post connections Post connections FIRE ALARM BOX POSTS INSTALLED WITH DUCT SAME. Charlestown. Medford and Pearl streets Medford and Cottage streets Medford and Decatur streets Medford street, opposite Tufts street Dorchester. Hamilton and Barry streets Richfield street and Puritan avenue Adams street, opposite Centre street	6 4 LEN	259 422 GTHS TO 16 feet 16 feet 20 feet 42 feet 120 feet 7 feet 7 feet
road Pole connections Post connections Post connections FIRE ALARM Box Posts Installed with Duct Same. Charlestown. Medford and Pearl streets Medford and Cottage streets Medford and Decatur streets Medford street, opposite Tufts street Dorchester. Hamilton and Barry streets Richfield street and Puritan avenue Adams street, opposite Centre street Adams and Lonsdale streets Adams and Franconia streets Adams street and Granite avenue, 2 duct	6 4 LEN	259 422 GTHS TO 16 feet 16 feet 20 feet 42 feet 7 feet 7 feet 7 feet 13 feet 6 feet 19 feet
road Pole connections Post connections Post connections FIRE ALARM BOX POSTS INSTALLED WITH DUCT SAME. Charlestown. Medford and Pearl streets Medford and Cottage streets Medford and Decatur streets Medford street, opposite Tufts street Dorchester. Hamilton and Barry streets Richfield street and Puritan avenue Adams street, opposite Centre street	6 4 LEN	259 422 GTHS TO 16 feet 16 feet 20 feet 42 feet 7 feet 7 feet 7 feet 13 feet 6 feet 19 feet

50 feet

Dorchester.

Dorchester.				
Washington and Rockwell streets .				12 feet
Washington and Fairmount streets .				15 feet
River and Idaho streets				8 feet
River street, near Consumptives' Hospita	i	•	•	35 feet
		•	•	9 feet
River and Fremont streets			•	
Talbot avenue and Spencer street .				32 feet
$Hyde\ Park.$				
River and Massasoit streets				32 feet
River and Blake streets				7 feet
River street and Reddy avenue				27 feet
three soreer and rectary avenue.			•	21 1000
Roxbury.				
· ·				0.0-1
Ipswich and Lansdowne streets (2 ducts)				6 feet
Blue Hill avenue and Winthrop street			. '	23 feet
Quincy and Magnolia streets				$20 ext{ feet}$
West Roxbury.				
Cornell and Aldrich streets				13 feet
Hyde Park avenue and Canterbury street				16 feet
Tryde rark avenue and Canterbury Street			•	10 1000
Brighton.				
Corey and Wellington roads				26 feet
		_		

FIRE ALARM BOX POSTS RESET.

Humboldt avenue and Townsend street (broken by truck). Washington and Dale streets (broken by truck).

Clarendon and Chandler streets (twice) (broken by truck). Washington street, opposite Water street (broken by truck).

India and Central streets (broken by truck).

Pierce square (broken by truck).

Myrick and Bayard streets

Washington and West streets (broken by truck).

Commonwealth avenue and Clarendon street (broken by truck).

Albany and Yeoman streets (broken by truck).

Dudley street, opposite Magnolia street (broken by truck).

Dorchester avenue and Victoria street (broken by truck).

Washington and Roslin streets (broken by truck). Tremont and Winter streets (broken by truck).

Tremont and Ruggles streets (broken by truck).

Clarendon and Stuart streets (broken by truck).

Commonwealth avenue and Granby street (broken by truck).

Walnut avenue and Crawford street (broken by truck).

Causeway and Haverhill streets (broken by truck). Park square (broken by truck).

Washington and Concord streets (change of curb).

Hyde Park avenue and Walk Hill street (extra pipe) . 18 feet Harvard and Glenway streets (grade changed).

Spring and Centre streets (change of location). School street, opposite Byron court (change of curb). Stuart and Carver streets (change of curb). Washington and Beech streets (change of curb). Chelsea street, opposite Prospect street (change of curb). St. Mary's and Mountfort streets (change of curb). Tremont and Warrenton streets (broken water main). Columbus avenue and Centre street (relocation) extension Harrison avenue and Kneeland street (out of plumb).	23 fee	
Thirteen other posts were broken by vehicles required the replacement of top sections of posts.	which	1
NEW CABLE POSTS INSTALLED.		
Hemenway and Boylston streets, 5 ducts Brookline and Commonwealth avenues, 4 ducts Massachusetts avenue and St. Stephen street, 6	61 fee 15 fee	t
duets	36 fee 9 fee	
Harrison avenue and Florence street, 4 ducts . Washington and Northampton streets, 6 ducts .	9 fee 40 fee	
Tremont and Northampton streets, 6 ducts	37 fee	t
/	29 fee	
Berkeley and Stuart streets, 6 ducts	37 fee	t
Cable Posts Replaced.		
Tremont and Clarendon streets. Harrison avenue and Beach street. Congress and A streets. Main and Medford streets. Centre and Moraine streets (broken three times).		
Cable Post Relocated.		
Tremont and Stuart streets, 2 ducts	60 feet	t.
Cable Post Removed.	00 100	•
West First and A streets.		
NEW CONDUITS INSTALLED.		
Corey Road, from Wellington road to Cummings road	90 feet	t
NEW POLE CONNECTIONS.		
Royal street, near Cambridge street	49 feet 33 feet 87 feet 82 feet	t

Medford and Tufts streets (Water Department	
building)	43 feet
building)	76 feet
River and Cedar streets	83 feet
	80 feet
River street and Wood avenue	7 feet
The state of the s	36 feet
	124 feet
	190 feet
Adams and Beaumont streets *	
Adams and Minot streets *	213 feet
	254 feet
Adams street, at Codman street *	121 feet
Marsh street and Granite avenue *	$147 \mathrm{feet}$
Granite avenue and Adams street *	139 feet
Washington and Rockwell streets	108 feet
	109 feet
Washington and Bailey streets	147 feet
Quincy street and Howard avenue *	180 feet
0 1 1 0 1 1 1 1 1 1 1 1 1 1 1	105 feet
Coming and Gardner Streets	122 feet
Spring and Gardner streets * Spring street near Baker street *	122 1660
Ducts Abandoned.	
Tremont and Stuart streets, 2 ducts	14 feet
Tremont and Stuart streets, 2 ducts	54 feet
Main and Miller streets 2 duets	55 feet
Main and Miller streets, 2 ducts	23 feet
There also street and Manfalls example 1 dust	70 feet
Spring and Centre streets, 1 duct	10 1660
Pole and Building Connections Replace	ED.
Hampden street and Norfolk avenue	70 feet
South Ferry House, East Boston	65 feet
South Forty House, East Poston	00 2000
Public Fire Alarm Boxes Established	
Box. Location.	
234. Ipswich and Lansdowne streets.	
244. Opposite 270 Amory street.	
2491. Pond and May streets.	
2547. Florence street and Bexley road.	
2622. Belgrade avenue and Bradwood street.	
2629. Park and Martin streets.	
2726. Weld street and Parkvale road.	
2734. Weld street and Russett road.	
315. Blue Hill avenue and Winthrop street.	
3187. Richfield street and Puritan avenue.	
3374. Callender and Lucerne streets.	
3428. Adams and Centre streets.	
3443. King and Florida streets.	

^{*} Work done for this department by Telephone Company.

LOCATION. Box. Victory road and Houghton street. 345. Milton avenue and Fairmount street. 3519. 3563. River and Fremont streets. Oakland and Bismarck streets. 3571. Washington and Rockwell streets. 3613. Washington and Codman streets. 3633. 3782. Glenwood avenue and Loring street. Medford and Cottage streets. 45. Hooker and Holman streets. 5216. 5218.Myrick and Bayard streets. 5279. Parsons street and Electric avenue.

528. Parsons and Surrey streets.

East First and West First streets. 7165.

Schoolhouse Boxes Established.

Henry L. Higginson School, Harrishof street. 2185.

St. Mary's and Mountfort streets, auxiliary to William 2319. McKinley School.

Boston Public Latin School, Avenue Louis Pasteur. 2348.

Frank V. Thompson School, Maxwell street. 3518.

681. Daniel Webster School, Lubec street.

PRIVATE FIRE ALARM BOXES ESTABLISHED.

Haffenreffer & Co., Bismarck street. 245. Standard Oil Company, Chelsea street. 659. 7126.

South Boston Dry Dock.

FIRE ALARM BOXES RELOCATED. From Pond and Rockwood streets to Pond street and 2492.

Woodland road.

2616. From Belgrade avenue and Rexhame street to Belgrade and Colberg avenues.

2621. From Beech and Newburg streets to Beech street and Colberg avenue.

3184. From opposite 50 Barry street to Hamilton and Barry streets.

452. From Medford street, opposite Mystic street to Medford and Pearl streets.

From North Beacon street and Electric avenue to North 5278. Beacon and Vineland streets.

7161. From West First street, between E and F streets to West First and E streets.

FIRE ALARM BOXES REMOVED FROM SERVICE.

1446. A. Shuman Company, Washington and Summer streets. 3232. St. Mary's Infant Asylum.

410. Jacob Foss School, Adams and Chestnut streets.

FIRE	Alarm B	OXES 1	in Sei	RVICE		
Total number						1,299
Owned by Fire Dena	rtment		•	•		916
Owned by Schoolhou	sa Danari	ment	•	•		916 212
Owned by Automatic	Fire Ale	rm Co	mnan			61
Total number . Owned by Fire Depa Owned by Schoolhou Owned by Automatic Privately owned	THE AIA	IIII CO	mpan	y		110
Privately owned			•	•	•	110
	D	TO				
	DEPARTM					
On box posts .						509
On poles						383
On buildings .						19
On poles On buildings . Inside buildings						5
Equipped with keyles	is doors (h	ell ring	rıng at	tachi	ment.)	860
Equipped with keyle	es doors (alage o	narde) -		40
Equipped with key d	oors	.5	, care and	,		7
Equipped with auxili	arv ettec	hment		•		15
Designated by red lie	ary accao	IIIIICIIU	ь.	•		525
Equipped with key d Equipped with auxili Designated by red light	31165 .		•	•		020
	,	т.				
1	Зсноогно	OUSE E	OXES.			
On box posts .						26
On poles						15
On buildings .						103
Inside buildings						68
Equipped with keyle	ss doors					156
Equipped with key d	loors		•	·		56
Equipped with auxili	arv attac	hment	٠.	•		168
Designated by red lie	aly accac	IIIIOII		•		21
On box posts On poles On buildings Inside buildings Equipped with keyle Equipped with key d Equipped with auxili Designated by red lig	31100 .		•	•		21
AUTOMATIC						
One and a	I IIII XXI	MICH	JUMIA		OAEG.	c
On poles			•	•		6
On buildings .				•		18
Inside buildings						37
Equipped with keyle	ss doors					9
On poles On buildings . Inside buildings Equipped with keyle Equipped with key	loors					. 52
Priv	ATE FIRE	ALAT	вм Во	XES.		
On noles						. 8
On buildings			•	•	•	35
Incide buildings .	•		•	•	•	67
Favinged with bards	an doora		•	•	•	15
Equipped with keyle	ss doors			•	•	. 15
Equipped with key of	loors				•	95
On poles On buildings Inside buildings Equipped with keyle Equipped with auxili	ary attac	nment	s.	•	•	. 11
CLASSIFIC	ATION OF	FIRE	ALAR	м Во	XES.	
Academies .						. 4
Armory						$\bar{1}$
Asylums						

Car houses						. 11
Car houses Cemetery Church City yard Home for aged people Hospitals Hotels Manufacturing plants Museum Navy yard Office buildings Police station Power stations Prison						. 1
Church						. 1
City yard						. 2
Home for aged people						. 2
Hospitals						. 21
Hotels						. 5
Manufacturing plants						. 27
Museum						. 1
Navy yard						. 7
Office buildings						. 5
Police station						. 1
Power stations						. 6
Prison						. 1
Public hall						. 1 . 1
Pumping station .						. 1
Railroad shops						. 5
Railroad stations .						. 5
Prison						. 12
Retail stores						4
Restaurant						. î
Schoolhouses (public)				•	•	212
Schoolhouses (parochial)) .			·	·	2
Railroad yards Retail stores Restaurant Schoolhouses (public) Schoolhouses (parochial) Stock yards Street boxes (public) Theaters Warehouses Wharves				•		$\overline{2}$
Street boxes (public) *	•	•		,	•	905
Theaters	•	•		•	•	28
Warehouses		•	•	·	•	. 20
Wharves		•	•	•	•	. 9
Wharves Wholesale houses .				•	•	. 9 . 4
Wholesale houses .		•		•	•	
FIRE ALAI	ям Во	YES IN	Distri	CTS		
						100
District 1 District 2	60	Distant	.1 10	•		. 100
District 2 District 3 District 4 District 5 District 6 District 7	. 68	Distri	06 10 of 11	•		110
District 3 District 4	. 00	Distri	06 II	٠.	•	. 119
District 5	. 00	Distri	06 12 of 12	•	•	114
District 6	. 04	Distri	06 10 of 14	•		100
District 7	. 94	Distri-	00 14:	•	•	70
District 7	. 80	Distri	Ct 13	•	•	. 19
District 8	. 99	!				
Two boxes are loca	ted or	tside tl	he city	limit	ts.	
	0	T)	-			
Posts and	CABLE	TERMIN	NAL BO	XES.		¥0.2
Box posts in service .				•		535
Box posts set but not in	service	е .				8
Cable posts in service (la	arge siz	ze) .				74
Cable posts in service (s	mall si	ze) .				13
Box posts in service Box posts set but not in Cable posts in service (la Cable posts in service (service cable boxes in service)	e (und	erground	conne	ction)		215
* About one hundred schoolhous	o and pri	rate hoves	To saccessi	ble to pu	blic but	are not

^{*}About one hundred schoolhouse and private boxes are accessible to public but are not counted as street boxes.

FIRE DEPARTMENT.	43
Circuits.	
	66
Box circuits	14
Gong circuits	13
Gong circuits Special signal circuits Telephone circuits in department system	3 53
Telephone circuits to Beach Exchange	9
Telephone circuits to Beach Exchange	1
Telephone circuits to Police Headquarters	1
Telephone circuits to A. D. T. Company office Telephone circuits to Edison Electric Illuminating	1
Company	1
Telephone connection to Automatic Fire Alarm Com-	
pany	1
Telephone connections to Protective Department .	1
Fire Alarm Apparatus.	
Tappers in service	157
Boston tappers in adjacent cities and towns.	6
Tappers connected to adjacent city and town systems	
in Boston stations	6
Gongs in service	111
Registers in service, excepting those in Fire Alarm Office	30
Relays in service, excepting those in Fire Alarm Office,	21
Telephones in department system	155
W. Carrier Comments	
Wires, Cables and Conduits.	miles
	miles
	miles
Aerial cable conductors in service 23	miles
Underground cable in service 178	miles
	miles miles
Conduits owned by Fire Department	34 feet
Ducts in Fire Department conduits 91,33	5 feet
Ducts used by Fire Department in New Eng-	
land Telephone and Telegraph Company's	20 feet
system	o reeu
graph system 5,71	7 feet
Summary of Work Done.	0 feet
Line wire used (new work)	0 feet
Aerial cable installed	0 feet
	0 feet

Aerial cable removed from service	10,730 feet
Conductors in same	52,940 feet
Underground cable installed in ducts of New	,
England Telephone and Telegraph Com-	
pany's system	50,296 feet
Conductors in same	430,887 feet
Underground cable installed in Fire Depart-	
ment ducts	8,662 feet
Conductors in same	60,038 feet
Total underground cable installed (new work),	58,958 feet
	490,925 feet
Conductors in same	2,868 feet
Conductors in same	87,228 feet
Conductors in same	4,284 feet
Ducts in same	5,759 feet
Ducts abandoned	339 feet
Fire alarm boxes installed by this department.	26
Fire alarm boxes installed by Schoolhouse De-	
partment	5
Fire alarm boxes installed on private property.	3
Fire alarm boxes relocated	7
Fire alarm boxes removed from service	3
Box posts set	29
Box posts relocated	8
Box posts reset or replaced by new	23
Cable posts set (large size)	8
Cable posts replaced by new	6
Cable posts removed from service Underground cable boxes on poles installed	1
Underground cable boxes on poles installed .	23

George L. Fickett, Superintendent.

BUREAU OF SUPPLIES AND REPAIRS.

From: The Bureau of Supplies and Repairs.
To: The Fire Commissioner.

Subject: Annual Report, 1923-1924.

I herewith submit the annual report of the Bureau of Supplies and Repairs for the year ending January 31, 1924.

During the year extensive repairs and alterations

were made at the following places:

Engines 6, 12, 13, 18, 19, 20, 24, 27, 28, 32; Chemical 7; Engine 7, new quarters; Headquarters, elevator installed; Repair shop, boilers overhauled and emergency steam line installed; Fire Alarm shop, sprinkler system installed.

Our corps of outside mechanics in addition to their work done at other quarters performed all incidental finish on department buildings where work was done by contract. (Painting, building hose racks, etc.)

Number	of j	obs					874
Cost							\$53,497

Some minor repairs were performed in quarters by members, stock being furnished by department.

Cost of stock								\$890
Cost of miscellaneou	us r	epair	s by	outs	ide d	once	rns	12,713

Gasoline tanks of 550-gallon capacity installed at quarters of Engines 7, 27, 32; Ladder 2, 19, 24; Chemical

Small and defective tanks replaced by others of 550 gallon capacity at the following quarters: Engines 14, 22, 42, 45.

Oil burning equipments installed at Engines 4, 5, 6, 7, 9, 15, 22, 25, 28, 48; Ladder 4; Chemical 7; Bureau repair shop.

New house heaters installed at Engines 6, 13, 20.

Motor Activities.

Thirty-three vehicles purchased, tested and placed in service:

10 Pumping engines, American-La France.

6 Combination chemical and hose cars, American-La France.

2 Aerial ladder trucks, American-La France.

6 City service ladder trucks, American-La France.

1 Sedan, Buick. 1 Coupe, Buick.

3 Roadsters, Buick.

4 Roadsters, Ford.

Note.—Buick and Ford cars were painted depart-

ment color before going into service.

The following horse-drawn companies were converted to motor companies during the year: Engines 9, 27, 29, 32, 34, 40; Ladders 2, 3, 9, 23, 24, 27.

Motor vehicles painted complete by shop employees

during the year:

1 Sedan,

- 6 Touring cars.
- 20 Roadsters.
 - 1 Fuel wagon.
 - 1 Tractor steam engine.

3 Hose cars.

By outside concerns:

2 Hose cars.

2 Ladder trucks.

1 Coupe.

Steam engines attached to Christie tractors at Engine 8, 42, 48 condemned. Steam engine 29 attached to Engine 8 tractor and placed in service at Engine 8.

Tractors detached from Engine 42, 48 and placed in

reserve.

Engine 8 boiler dismantled, Engine 42, 48 sold.

Body removed from horse-drawn hose wagon 33 and installed on White chassis for use as fuel wagon.

Three Christie motors rebuilt by shop mechanics. Ten Christie motors rebuilt by outside concern.

Ladder 29 rebuilt and pneumatic tires installed for trial.

On request of the Street Commissioners 18 omnibuses inspected and passed on by the Supervisor of Motor

Apparatus.

Perpetual inspection of apparatus is maintained by the Engineer of Motor Apparatus, 2,871 inspections having been made during the year:

2,821 calls responded to by Emergency Motor Squad. 815 chauffeurs' licenses renewed.

Repairs on motor vehicles by shop mechanics:

Number	of	iobs			. '					4,990
Cost .		1000								\$53,520 00
Number		rana	irc	by or	rteid.	a. eoi	Learn	•	•	1,071
Cost .		•						 •	•	\$10,056 00
Cost .							•		•	\$10,000 00

Motorless Vehicle Activities.

With the complete motorization of the department we were left with a considerable amount of horse-drawn apparatus on our hands. Every effort was made to obtain a market for the sale of this apparatus, and after receiving communications from several business concerns and other departments who had been communicated with stating that the apparatus was no use to them, it was deemed advisible to dispose of it at public auction.

This apparatus was taken to the yard of the veterinary hospital where a public auction was held for its disposal by the City Auctioneer.

For our own needs we retained all the hose wagons,

six engines and two ladder trucks.

All the horse-drawn coal wagons being of no further use to our department were disposed of at private sales.

The following was turned over to the Institutions Department: Two horse-drawn chemical engines, one horse-drawn ladder truck with ladders, one small pung.

Eleven hose wagons and one ladder truck converted

to pungs.

Repairs by shop mechanics			177
Cost			\$1,385 00
By outside concerns			11
Cost			\$2,310 00

MARINE SERVICE.

3 fireboats In service.

House for radio equipment built on deck of Engine 31. Permission having been obtained from the Government to name our fireboats in commemoration of members of the department who made the supreme sacrifice during the world war, signs bearing the names of these men were made and installed.

HIGH PRESSURE.

Steam supply pipe at Station No. 1 reduced from 6 inch to 5 inch.

Piezometer gauges furnished to Engines 1, 15, 37, 40, 41, 42.

All companies furnished with high pressure hydrant wrenches.

CHAUFFEUR SCHOOL.

During the year our chauffeur school was uninterruptedly maintained in order to properly instruct members attached to horse-drawn companies prior to motorization.

To assist in this work one man was detailed from the Fire Fighting Force to instruct the members in the care and operation of Christie tractors.

One hundred and sixty-four men were examined and

certified as chauffeurs.

MOTOR PUMP SCHOOL.

Our Motor Pump School was in operation from May to October, during which time 13 classes, comprising six to seven men, received instructions.

Eighty-three men qualified for certification as pump

operators.

Two members of the Lynn Fire Department received instructions at this school.

MISCELLANEOUS.

All deck guns on apparatus equipped with shut-off valves.

Seven hydrant shower baths made and distributed. (One sent to Rainsford Island.)

Thawing devices installed on Engines 2, 6, 7, 9, 10,

17, 22, 23, 27, 29, 32, 34, 35, 37, 40, 43, 48, 50.

Material for testing outside connection for sprinkler systems in buildings made up and distributed to the several district headquarters. (This material consisted of short lengths of $2\frac{1}{2}$ -inch hose with male couplings attached to one end.)

Motor Vehicles, Apparatus, etc., in Service and Reserve.

ENGINES.					
Make.	Kind.	In Service.	In Reserve.		
American-LaFrance	Pumpers	36	5		
Səagrave	Pumpers	3			
Christie tractors	Steam engines	10	5		
Self-propelled	Steam engines	1	1		
	HOSE CARS.		<u>'</u>		
American-LaFrance	Combinations	26	3		
Seagrave	Combinations	11	2		
Velie	Combinations	1			
Mack	Hose car	1			
LAI	DDER TRUCKS.	-			
American-LaFrance	Aerial	9			
Seagrave	Aerial	1			
Christie tractor	Aerial	2	3		
Christie tractor	City service	6	3		
American-LaFrance	City service	12			
WA	TER TOWERS.		,		
American and British tractors		3	1		
CHIEF	OFFICERS' CARS.				
Buick	Sedan	1			
Buick	Coupe	1			
Buick	Touring cars	8	1		
Buick	Roadsters	20	6		

MISCELLANEOUS.							
Make.		Kind.	In Service.	In Reserve.			
American-LaFrance	. School	ol car	1				
Pierce Arrow	. Resci	ue Company	1				
Christie	. Trac	tors		2			
Mack	. Cable	e car	1				
Mack	. Fuel	car	1				
Mack	. Wrec	king car	1				
White	. Com	mercial trucks	3				
White	. Fuel	car	1				
Ford	Runa	bouts	4				
Ford	. Emer	rgency cars	4				
Ford	. True	k (Wire Division)	1				
Knox	. Hose	ca r	Unser- viceable.				
	Нс	OSE.	7				
Purchased.	Feet.	Conc	demned.	Feet.			
	3,000 500 100	Leading cotton Leading rubber Chemical hose	hose	13,150 400 450			
		4 inch rubber su	iction hose,	, 210			

	Hc	OSE.	
Purchased.		Condemned.	
	Feet.		Feet.
Leading cotton hose.	. 13,000		13,150
Chemical hose	. 500	Leading rubber hose	400
1-inch rubber deck hose	. 100	Chemical hose	450
		4 inch rubber suction hose,	210
Total	. 13,600	3-inch flexible suction hose,	200
		$3\frac{1}{2}$ -inch deluge hose	871
		Total	$14,497\frac{1}{2}$

Amount of hose in use and in stock February 1, 1924.

$In\ Use.$		In Stock.	
	Feet.		Feet.
Leading cotton hose	137,066	Leading cotton hose	5,850
Leading rubber hose .	200	Chemical hose	1,400
Chemical hose	17,300	Deluge hose	121
1-inch rubber deck hose .	900	4-inch rubber suction hose,	294
3-inch flexible suction hose,		$2\frac{1}{2}$ -inch rubber suction hose,	40
4-inch rubber suction hose,			
Deluge hose	662	Total	$7,596\frac{1}{2}$
	150 100		
Total	158,160		

Amount of hose repaired during the year.

		Feet.
1-inch rubber hose		100
$2\frac{1}{2}$ -inch rubber hose		100
$2\frac{1}{2}$ -inch cotton hose		18,300
3-inch cotton hose		4,650
$3\frac{1}{2}$ -inch cotton hose		50
3-inch chemical hose		1,600
Total		24,800

CLOTHING.

Kind.	Received and Distributed.	Repaired.	Reissued.
Trousers	1,103	339	10
Sack coats	583	138	31
Overcoats	122	69	11
Reefers	32		
Rubber coats	304	132	11
Caps	727		
Fire hats	50	278	

One thousand one hundred and thirty-eight overcoats and twenty-four reefers cleansed, pressed and placed in storage during the summer.

GASOLENE STATIONS.

Division No. 1.

Districts.	Location.	Capacity (Gallons).	Pump.
1	Engine 5	280	1 gallon.
1	Engine 11	110	1 gallon.
1	Ladder 2	550	1 gallon.
1	Chemical 7	550	1 gallon.
2,	Engine 27	550	1 gallon.
2	Engine 32	550	1 gallon.
2	Engine 36	280	1 gallon.
2	Engine 50	280	1 gallon.
2,	Ladder 9	220	1 quart.
3	Ladder 8	120	1 gallon.
3	Ladder 18	280	1 gallon.
3	Engine 39	280	1 gallon.
4	Engine 4	280	1 gallon.
4	Engine 6	280	1 gallon.
4	Engine 8	280	1 gallon.
4	Ladder 1	280	1 gallon.
4	Ladder 24	550	1 gallon.
5,	Engine 7	550	1 gallon.
5	Engine 10	220	1 quart.
5	Engine 26	280	1 gallon.
5	Ladder 17	280	1 gallon.
5	Rescue 1	550	1 gallon.

Division 2.

Districts.	Location.	Capacity (Gallons).	Pump.
6	Engine 1	280	1 gallon.
6	Engine 2	280	1 gallon.
6	Engine 15	280	1 gallon.
6	Engine 43.	286	1 gallon
6	Ladder 19	550	1 gallon.
7	Engine 3	280	1 gallon.
7	Engine 22	550	1 gallon.
7	Engine 33	280	1 gallon.
7	Bristol street, repair shop	550	1 gallon.
7	Wareham street garage	280	1 gallon.
8	Engine 13	550	1 gallon.
8	Engine 14	550	1 gallon.
8	Engine 37	120	1 gallon
8,	Ladder 12	280	1 gallon.
11	Engine 29	280	1 gallon.
11	Engine 34	280	1 gallon.
11	Engine 41	280	1 gallon.
11	Engine 51	280	1 gallon.

Division 3.

DISTRICTS.	Location.	Capacity (Gallons).	Pump.
9	Engine 12.	550	1 gallon
9	Engine 21	280	1 gallon.
9	Engine 23	280	1 gallon
9	Engine 24	550	1 gallon.
9	Ladder 4	120	1 gallon.
10	Engine 17	280	1 gallon.
10	Engine 18	280	1 gallon.
10	Engine 52.	280	1 quart.
12	Engine 28.	280	1 gallon.
12	Engine 42.	550	1 gallon.
12	Ladder 23	220	1 quart.
13	Engine 30	280	1 gallon.
13	Engine 45	550	1 gallon.
13	Engine 53	120	1 gallon.
14	Engine 20.	280	1 gallon.
14	Engine 46	220	1 gallon.
14	Ladder 6	280	1 gallon.
15	Engine 19	280	1 gallon.
15	Engine 48	280	1 gallon.
15	Engine 49	280	1 gallon.

Provisions have been made for the installation of gasolene tanks of large capacity at the new quarters now under construction for Engine Companies 31 and 40.

CANNEL COAL STATIONS.

Division 1.

DISTRICT	Location.	Capacity (Tons.)
1	Engine 11	12
1	Chemical 7	20
2	Ladder 9	35
3	Ladder 18	10
.	Ladder 24	16
5,	Rescue 1	35

Division 2.

6	Engine 2	20
6	Fourth street	40
7	Engine 33	25
8	Engine 13	40
8	Engine 14	10
8	Engine 37	20
11	Engine 29	7
11	Engine 34	7
11	Engine 41	10
11	Engine 51	10

Division 3.

9	Engine 12	5
9	Engine 21	6
9	Engine 23	5
9	Engine 24	7
10	Engine 18	5
12	Engine 28	20
13	Engine 30	9
13	Engine 45	9
14	Engine 16	5
14	Engine 20	7
15	Engine 19	8
15	Engine 48	10

ENGINES

Veight. (Pounds.)	11,500	13,500	13,140	14,308	11,300	11,030	11,300	13,140	11,030	11,300	11,030	11,030
Size.	First.	Second.	Second.	Second.	First.	Second.	First.	Second.	Second.	First.	Second.	Second.
Stroke.	9	69	œ	20	9	9	9	00	9	9	9	9
Diameter of Pump.	:	:	44 NAS	44	:	:	:	44 ktps	:	:		
Diameter of Cylinder.	53	5 10	como Caron	inico L~	5\$	5\$	53	77	53	53	£ 2	52
Date.		:	:		:	:	:	:				
Rebuilt by												
Put in Service.	Dec. 19, 1921	June 29, 1917	June 16, 1917 Jan., 1904	June 16, 1917	Jan., 1919	July 13, 1922	Aug. 10, 1922	July 5, 1917 May, 1911	July 24, 1923	Sept. 3, 1920		July 19, 1922
Built by	American-LaFrance 1,000-gallon pump.	Seagrave triple combination pump, 750 gallons.	Christie Tractor	Christie Tractor		American-LaFrance 750-gallon pump, July	American-LaFrance 1,000-gallon pump.	Christie Tractor		American-LaFrance 1,000-gallon pump.	American-LaFrance 750-gallon pump,	American-LaFrance 750-gallon pump, July
NUMBER.	1	2	3.	4	5	6	7	œ	6	0	1	2

11,030	11,030	14,350	11,030	11,030	11,030	13,500	11,030	12,560		11,030	11,300	11,030	16,000		11,300	11,030	11,030	11,030	11,030
Second.	Second.	First.	Second.	Second.	Second.	Second.	Second.	Second.		Second.	First.	Second.	First.		First.	Second.	Second.	Second.	Second.
9	9	∞	9	9	9	63	9	∞		9	9	9	00		9	9	9	9	9
- -	:	10	:	:	:	:	-	4		:		:	52.			:	:	:	
53	53	88	53	53	53	10 m/4	53	soto:		53	52	5	G		52	10°	5.4	52	54
-		1919	-		:	:	:	1907		:	:				1923	:	:	:	
		J. B. Filleull & Son						International Power Company							American-LaFrance Company				
1, 1922	19, 1921	30, 1920	19, 1921	14, 1923	28, 1921	2, 1917	29, 1921	12, 1916	., 1870	Nov. 20, 1920	1920	21, 1922	, 15, 1915	1910	20, 1920	17, 1923	13, 1920	. 19, 1923	18, 1921
Aug.	Dec.	July Dec.,	Oct.	Aug.	Oct.	July	Oct.	Jan.	Sept.,		May	July	May	Dec.	Dec.	July	Apr.	Sept.	Oct.
American-LaFrance 750-gallon pump, Aug.	American-LaFrance 750-gallon pump,	Christie Tractor	American-LaFrance 750-gallon pump,	American-LaFrance 750-gallon pump,	American-LaFrance 750 gallon pump,	Seagrave triple combination 750-gallon pump.	American-LaFrance 750 gallon pump,	Christie Tractor	Amoskeag Manufacturing Company,	American-LaFrance 750-gallon pump,	American-LaFrance 1,000-gallon pump.	American-LaFrance 750-gallon pump,	Christie Tractor	American-LaFrance Company	American-LaFrance 1,000-gallon pump.	American-LaFrance 750-gallon pump,	American-LaFrance 750-gallon pump,	American-LaFrance 750-gallon pump,	
13	14	15	16	17	18	19	20			22	23	24	,	7	26	27	28	29	30

Engines.— Concluded.

	Weight. (Pounds.)	104 tons.	11,030	14,240	11,030	11,030	13,910	11,030	t. 18,170	14,300	11,030	11,030	13,000
	Size.	1 pump, 3,000 gallons.	Second.	First.	Second.	Second.	First.	Second.	Double extra first.	First.	Second.	Second.	Second.
	Stroke.	11	9	∞	9	9	∞	9	∞	00	9	9	∞
	Diameter of Pump.	10	:	53	:	:	53		10 10	ro	<u>:</u>	<u>:</u>	41 rojao
	Diameter of Cylinder.	17	53	\$	55	53	1 8	53	\$ 6	₹	53	69	-7 04(0#
	Date.		:			:	:	:	1917	1915	7		
engines: Conomical	Rebuilt by								J. B. Filleull & Son	American-British Company			
	Put in Service.	1914	Oct. 18, 1920	April 11, 1921 Feb., 1909	Aug. 6, 1923	Dec. 10, 1920	Aug. 13, 1917 Nov., 1909	July 13, 1923	June 1897	May 10, 1917 June, 1901	July 24, 1923	Jan. 26, 1921	Sept. 17, 1920 1865
	Built by	G. F. Blake Manufacturing Company.	American-LaFrance 750-gallon pump,	Christie Tractor	American-LaFrance 750-gallon pump,	American-LaFrance 750-gallon pump,	Christie Tractor	American-LaFrance 750-gallon pump,	Manchester Locomotive Works (self-propellor).	Christie Tractor	American-LaFrance 750-gallon pump,	American-LaFrance 750-gallon pump,	Christie TractorAmoskeag Manufacturing Company.
	Number.	31	32	33	34	35	36	37	38	39	40	41	42

11,030	178 tons.	11,030	11,030	179 tons.	11,030	12,000	11,300	11,030	11,030	13,500
Second.	{ 2 sets of pumps, 6,000 gallons.	Second.	Second.	2 sets of pumps, 6,000 gallons.	Second.	Second.	First.	Second.	Second.	Second.
9	11	9	9	=======================================	9	9	9	9	9	63
54	10	:	:) 10	:			:	:	
25.	121 H. P. 18 L. P.	53	53	12 H. P.	53	52	53	54	53	55 84
					American-LaFrance 750-gallon pump, Sept. 12, 1922					
8, 1923	1895	13, 1923	25, 1920	1909	12, 1922	9, 1922	1919	12, 1920	19, 1921	12, 1916
Jan.	Aug.,	Jan.	Oct.	wug.,	Sept.	Aug.		July	Dec.	Aug.
43 American-LaFrance 750-gallon pump, Jan. 8, 1923	American Fire Engine Company Aug.,	American-LaFrance 750-gallon pump, Jan. 13, 1923	46 American-LaFrance 750-gallon pump, Oct. 25, 1920	47 G. F. Blake Manufacturing Company.		American-LaFrance triple combina- tion 750-gallon pump.	American-LaFrance 1,000 gallon pump.	American-LaFrance triple combination 750-gallon pump.	American-LaFrance 750-gallon pump, Dec. 19, 1921	Seagrave triple combination 750 gal- Aug. 12, 1916 lon pump.
43	44	45	46	47	48	49	50	51	52	53

Engines in Reserve.

Weight. (Founda.)	12,400	13,150	12,980	12,380	14,240	13,910	11,200	11,200	11,030	11,030	11,030	18,170
Size.	Second.	Second.	Second.	Second.	First.	First.	Second.	Second.	Second.	Second.	Second.	Double extra, first. 18,170
Виоке.	œ	æ	œ	œ	æ	20	9	\$	\$	9	9	∞
Diameter of	At rights	44	*	-41	ıç	22	÷		:	:	:	IC IC
Diameter of Cylinder.	7.8	# 2	0m L-	7	* 8	8	5.9	53	5.4	53	54	1 6
Date.	:		1904	1907	1916				:		:	
Rebuilt by			American Locomotive Company,	International Power Company	Manchester Locomotive Works.							
Put in Service.	Mar. 27 1915 Feb., 1909	July 28, 1915 (Feb., 1909	Dec. 20, 1915\ Nov., 1867	Jan. 7, 1916)	July, 1903	Aug. 13, 1917 (Nov., 1909)	July 3, 1914	Aug. 2, 1914	Aug. 31, 1923	Aug. 31, 1923	Aug. 31, 1923	June, 1897
Built by	Christie Tractor. (International Fower Company.)	Christie Tractor. (International Power Company.)	Christie Tractor. (Amoskeag Manu- (Dec. 20, facturing Company.)	Christie Tractor. (Amoskeag Manu- Jan. facturing Company.)	Christie Tractor. American Loco- July, motive Works.	Christie Tractor. (International Power Company.)	American-LaFrance, triple combina- July 3, tion.	American-LaFrance, triple combina-	American-LaFrance, 750-gallon pump,	American-LaFrance, 750-gallon pump,	American-LaFrance, 750-gallon pump,	Manchester Locomotive Works (self- June, propeller.)
Момвен.	105-T	107-T	108-T	109-T	113-T	119-T	100-P	101-P	160-P	162-P	163-P	35

Hose Wagons (in Reserve).

Two (2) Seagrave combination chemical and hose cars (motor). Three (3) American-LaFrance combination chemical and hose cars (motor).

LADDER TRUCKS.

1		9	0	0	0	9	9		2	9	9	0	0	9	9	0	0
Weight. (Pounds.)	23,030	17,000	13,440	21,040	25,130	13,400	11,000		20,000	17,000	11,000	11,000	17,000	20,000	20,000	20,000	11,000
Number of Ladders.	Aerial.	Aerial.	10	Aerial.	Aerial.	œ	6		Aerial.	Aerial.	11	10	Aerial.	Aerial.	Aerial.	Aerial.	10
Feet of Ladders.	354	354.	268	354	309	207	254		394	354	302	281	335	294	346	352	268
Rebuilt by																	
Put in Service.	May 27, 1922	Oct. 15, 1923	Dec. 21, 1915 Sept., 1888	Sept. 28, 1914	June 20, 1917	March 2, 1917 Aug., 1905	Aug. 14, 1923	Oct. 31, 1921	Jan. 26, 1915	Oct. 17, 1923	Oct., 1920	Dec. 13, 1912	Nov. 8, 1919	Oct. 1, 1919	May, 1919	Jan. 11, 1920	Sept. 18, 1923
Built by	American-LaFrance, Type 17, 4-wheel tractor (75-foot)	American-LaFrance, Type 17, 4-wheel tractor (75-foot).	Christie tractor. (Fire Department Repair Shop.	American-LaFrance, Type 25 (85 foot)	Seagrave Company (75-foot)	Christie tractor. C. N. Perkins & Co.	American-LaFrance, Type 14	American-LaFrance, Type 17	Seagrave Company (85-foot)	American-LaFrance, Type 17, 4-wheel tractor (75-foot)	American-LaFrance, Type 14	American-LaFrance, Type 14	American-LaFrance, Type 31 (75-foot)	American-LaFrance, Type 31 (85-foot)	American-LaFrance, Type 31 (85-foot)	American-LaFrance, Type 31 (85-foot)	American-LaFrance, Type 14
NUMBER.	1	2	3	4	5	6	7	œ		6	10	11	12	13	14	15	16

Ladder Trucks.—Concluded.

Put in Service.
_
July
May
Oct.
Oct.
Dec.
June
Aug.
Oct.
April
Aug.
Sept.
Nov.,
May
Jan.

In Reserve.

Weight. (Pounds.)	12,050	13,440	12,050	17,530	18,000	17,660
Date.	8681	} 1888	} 1874	1915	1917	1917
Built by	Christie Tractor Charles T. Holloway	Christie Tractor Christie Tractor Fire Department Repair Shop.	Christie Tractor Christie Tractor Hunneman & Co.	Christie Tractor Christie Tractor Christie Tractor (American-LaFrance Company (75-foot aerial).	Christie Tractor	Christie Tlactor
Nomber.	213-T.	215-T	216-T	209-T	220-T.	223-T

CHEMICAL ENGINES.

NUMBER.	Built by	Put in Service,	Remarks.	Capacity. Weight.	Weight.
7	Seagrave Company	Fcb. 5, 1917	Feb. 5, 1917 Combination, motor driven	Gallons.	Pounds. 9,310

SPARE HORSE-DRAWN APPARATUS.

Six (6) steam engines. One (1) hose wagon. One (1) ladder truck.

WATER TOWERS.

Number.	Built by	Put in Service. Weight. (Pounds.)	Weight. (Pounds.)
1 American LaFrance Company Oct., 30, 1912	American LaFrance Company	Oct., 30, 1913	14,600
2	Kansas City Fire Department Supply Company May 17, 1890	May 17, 1896	10,000
3	International Company	Nov. 2, 1903	12,050
4 (Reserve)	Kansas City Fire Department Supply Company Dec. 18, 1893	Dec. 18, 189;	10,000

Towers are equipped with American-British Company tractors.

TOOLS AND MACHINERY IN REPAIR SHOP.

Blacksmith Shop.	Boiler Room.	Hose and Harness Shop.	Engine Room.	Wheelwright and Machine Shop.
5 forges. 1 power hammer. I gas tire heater.	3 vertical tubular boilers, each 75 horse power. 2 Blake boiler feed pumps.	ach 75 horse power. 2 Blake boiler feed pumps. 2 Blake boiler feed pumps. 2 Blake boiler feed pumps.	1 25 horse power steam engine cylinder, 9 by 31. I Knowles triplex pump for hose testing.	1 each engine lathes, with foot beds 28 by 12; 16 by 12; 16 by 9; 14 by 8 and 14 by 6. 1 16 by 10 speed lathe.
1 tire upsetter. 1 punch and shears. 1 lever shears.		Numerous tools and appliances for repairing hose and harnesses.	2 dynamos and engines which supply current to fire alarm and central station. 1 16 by 10 wood lathe. 126 by 26 planer, 8-foot bed. 1 planer, 16 by 29, shaper.	1 16 by 10 wood lathe.126 by 26 planer, 8-foot bed.1 planer, 16 by 29, shaper.
1 tire roller. 2 rubber tire setters.			1 Richardson-Phenix motor oil purifier (Model L).	1 radial drill. 3 upright drills.
1 bolt cutter. 1 fan blower.			-	1 wall drill. 1 circular saw.
1 power hack saw.				1 band saw. 1 boring and mortising machine.
				2 buzz planers. 1 grindstone.
				Numerous small tools. 1 Brown & Sharpe universal milling machine.
				1 motor-driven valve grinding machine.

Also tools for the repair of automobile apparatus.

Conclusion.

On account of repairs at several of our fire stations it was necessary to remove the supply of cannel coal from same thereby eliminating the use of these quarters as coal depots.

A sufficient amount of this coal has been retained in each district for supplying steam engines in case of

emergency.

The coal shed at the quarters of Engine 36 having become dilapidated, I would recommend that it be torn down.

Respectfully submitted,

WILLIAM H. McCorkle, District Chief.

REPORT OF MEDICAL EXAMINER.

Boston, January 31, 1924.

From: The Medical Examiner.
To: The Fire Commissioner.
Subject: Annual Report.

I respectfully submit the following report for the year ending January 31, 1924:

Number of cases of illness on file	399
Number of cases of injury on file	1,673
Number of injured (but remained on duty) on file .	1,273
Examinations.	
Inspections and examinations at headquarters re-	
corded	1,815
For appointment as provisional firemen (civil service),	262
For appointment to Fire Alarm Branch	4
For appointment of men on probation	50
At engine houses of firemen, pulmotors, medicine	
chests, and visits at homes of firemen either sick or	
injured and at hospitals	1,040

The general health of the firemen during the past year has been excellent and the books show a decrease of 170 men on sick leave from the previous year. The above fact is worthy of interest and gratifying as the great decrease in illness was obtained, notwithstanding a notable increase in the fire-fighting force; on the other hand, the number injured shows an increase of 339 over and above the number recorded as of the previous year, due in a measure to a greater number of fires experienced, consuming material dangerous to health and difficult to handle and endure.

The officers and men deserve credit for the prompt and eager spirit displayed in rendering "first aid" at all times when summoned. It is also praiseworthy to note and shows a keen regard for faithful service, that out of 1,673 cases of injury on file 1,273 men remained on duty and had their injuries treated in quarters.

DEATHS.

Dennis J. Burnett (Fire Alarm Branch), February 10, 1923, cerebro-spinal meningitis.

James J. Caine (District Chief No. 6), March 16, 1923,

chronic interstitial myocarditis.

Timothy F. Holland (Wire Division), June 23, 1923, heart disease and pneumonia.

J. Paul Haynes (Wire Division), June 4, 1923, pneumonia.

Respectfully submitted,

WILLIAM J. McNally, M. D., Medical Examiner.

REPORT OF WIRE DIVISION.

Boston, January 31, 1924.

From: Superintendent, Wire Division.
To: The Fire Commissioner.
Subject: Annual Report.

I herewith submit annual report of the Wire Division of the Fire Department for the year 1923–24.

The underground district for 1923-24 was prescribed

and advertised in accordance with the law.

During the year there were fifty fires and three accidents (one fatal) due to electrical causes. The total of fire losses in so far as could be determined was \$17,906.34. Thorough investigations of the above fires and accidents were made by members of this Division, and complete reports made of the same.

Rigid inspections have been made of old and new

electrical construction during the year.

The total income was \$69,786.80.

EXTERIOR DIVISION.

The underground district for the year 1923 as prescribed under authority of chapter 196 of the Acts of 1921, comprised the following streets:

Brighton.

Washington street, from Cambridge street to Commonwealth avenue.

CHARLESTOWN.

Alford street, from Main street to the drawbridge. Medford street, from Chelsea street to Cook street.

DORCHESTER.

Alban street, from Welles avenue to Ashmont street.

Talbot avenue, from Washington street to Bernard street.

Quincy street, from Columbia road to Blue Hill avenue.

Adams street, from King square to Minot street.

Washington street, from Ashmont street a distance of 1,970 feet, to a point within 530 feet of Codman street.

SOUTH BOSTON.

Macallen street, from Dorchester avenue to Foundry street.

Making a total distance of 4 miles as provided by law. In these prescribed streets, from which poles and overhead wires were to be removed, there were standing on February 1, 1923, a total of two hundred and sixteen (216) poles (not including the trolley poles of the Boston Elevated Railway which are exempt) owned by the Edison Electric Illuminating Company, New England Telephone and Telegraph Company, Charlestown Gas and Electric Company, and Postal Telegraph Cable Company, supporting a total of one million seven hundred fifty-four thousand (1,754,000) feet of over-head wires, or a little more than three hundred and thirty-two (332) miles owned by the Edison Electric Illuminating Company, New England Telephone and Telegraph Company, Boston Elevated Railway Company, Postal Telegraph Cable Company, Charlestown Gas and Electric Company, Boston Fire Department (Fire Alarm Branch), and Boston Police Department (Police Signal Service).

. In the selection of new pole locations our engineers have accompanied the engineers of the various companies for the purpose of passing on such locations. All carrying poles standing in the streets are stencilled by this department for purposes of identification and are plotted in atlases on file in our office. All carrying poles standing in the streets are inspected and tested yearly by the inspectors of this division and at the same time a general inspection is made of all overhead construction. This work is in addition to the regular inspection work necessary on account of new construction. Poles found to be leaning or in process of decay are reported to the companies owning same and where conditions warrant it, poles are condemned. During the past year the inspectors of this division reported one hundred and twenty-eight (128) poles decayed at base and twentynine (29) poles leaning or a total of one hundred and fifty-seven (157) poles which were replaced by new poles or reset by the various companies at the request of this department. Seven (7) abandoned poles were also reported by our inspectors and were removed by the various companies at our request.

The following table shows the overhead work for the year from February 1, 1923, to January 31, 1924,

inclusive:

Number of new poles set in new locations	527
Number of poles replaced, reset or straightened.	648
Number of poles removed	133
Number of poles now standing in the public streets,	16,266
Number of defects reported	3,263
Number of defects corrected	3,058
(Other defects in process of correction.)	
Number of notices of overhead construction .	25,714
Number of overhead inspections	40,526
Number of overhead reports	26,825
Amount of overhead wires removed by owners (in	
feet)	1,645,692

Underground Construction.

The ducts used this year for the underground conduits of the drawing-in system are of the following type:

- 1. Vitrified clay (laid in concrete).
- 2. Fiber (laid in concrete).
- 3. Iron. 4. Wood.

In side or residential streets a considerable amount of special underground construction for electric light and power purposes, of a type known as the "Split Fiber Solid System," has been installed during the year. The electrical approval for underground electric

construction numbered four thousand seven hundred

and five (4,705).

Number of inspections of underground electrical construction, nine thousand five hundred eighty-two (9,582).

Number of reports of underground electrical construction, four thousand four hundred thirty-four (4,434).

Character of Cable Used by the Various Companies.

Company.	Kind of Insulation.	Size.		
Boston Elevated Railway Company,	Rubber	500,000 and 1,000,000 C. M.		
Charlestown Gas and Electric Company.	Varnished cambric, paper and rubber.	Nos. 6, 4, 2, 1–0, 2–0, 4–0.		
Edison Electric Illuminating Company.	Rubber and paper	Nos. 8 to 1,000,000 C. M.		
Fire Alarm Branch (B. F. D.)	Rubber	4, 6, 10, 15 conductor.		
New England Telephone and Telegraph Company.	Paper, silk and cotton,	2 to 1212 pair.		
Police Signal Service (B. P. D.)	Rubber	7 conductor.		
Postal Telegraph Cable Company	Paper	2 to 30 conductor.		
Schoolhouse Commission (City of Boston)	Rubber	4 conductor.		
Western Union Telegraph Company,	Paper	11 to 100 pair.		

Table Showing Underground Work for the Year 1923.

Company.	Feet of Conduit.	Feet of Duct.	Feet of Cable.	Number of Manholes.	Number of Services.
Boston Elevated Railway Company,	8,500	64,290	15,519	18	
Boston Low Tension Wire Association.		283			4
Charlestown Gas and Electric Company.	9,643	53,516	90,736	27	34
Edison Electric Illuminating Company.	179,712	364,812	1,189,964	264	2,419
Fire Alarm Branch (B. F. D.)		1,449	55,200		29
New England Telephone and Telegraph Company.	59,817	479,030	346,777	147	138
Park Department (City of Boston)	119	228			1
Police Signal Service (B. F. D.)		160	7,500		1
Postal Telegraph Cable Company		175	1,650		2
Schoolhouse Commission (City of Boston).	345	960	3,420		5
Western Union Telegraph Company.	5,410	26,310	13,500	6	15
Totals	263,576	991,213	1,724,266	462	2,648

NOTE.— "Split Fiber Solid Main System" of the Edison Electric Illuminating Company is included in the above figures comprising 52,035 feet of conduit and 99,787 feet of duct. The main and feeder tube or armored cable of the "old solid system" of the same company are not included. Work on the "old solid system" comprised 133 service connections and 4,691 feet of No. 100 three-conductor armored cable.

Table Showing the Amount and Distribution of Boston's Electrical Power January 31, 1924.

Company,	Total Rated Horse Power of Boilers,	Total Rated Horse Power of Engines.	Capacity of Incandescent Lamps in Kilowatts.	Capacity of Arc Lamps in Kilowatts.	Kilowatts of Motors.	Kilowatts, Mixed Loads.	Number of Stations.
Boston Elevated Railway Company	46,702	205,453	3,613	2	355,330	86,245	17
Edison Electric Illuminating Company	51,508	275,400	115,220	2,976	96,802	86,785	47
Charlestown Gas and Electric Company,		.	1,500	165	1,500	300	1
Block Plant Electric Light Company	400	325	50		15	15	1
A. W. Barnes Steam Specialty Company,	620	400	125		106		1
Sudbury Building Plant	200	150	25		20		1
Hanover Street Trust	500	363	140	10	80	230	1
Totals.	99,930	482,091	120,673	3,153	453,853	173,575	69

INTERIOR DIVISION.

As provided by law there have been twelve hundred eighty-nine (1,289) inspections made of theaters, places of amusement and public halls. Wherever defects were reported interested parties were immediately notified to attend to the same.

During the year there were fifty fires and three accidents to persons caused by electricity, one of the accidents proving to be fatal.

Fires in interior of buildings	41
Fires on poles	9
Injuries to persons	3
Notices of new work received	20,355
Number of permits to turn on current	15,030
Number of incandescent lamps inspected	1,644,393
Number of motors inspected	10,043
Number of buildings in which wiring was com-	
pletely examined	4,108
Number of inspections made	38,113

All defects reported have been corrected or are in process of correction.

LIST OF WIRE DIVISION EMPLOYEES, JANUARY 31, 1924.

				_	 			
				·				Salary Per Annum.
1	Superinter	dent						\$3,500
1	Chief Insp	ector	•					2,500
10	Inspectors							2,000
8	Inspectors							1,900
5	Inspectors							1,800
5	Inspectors							1,700
1								1,600
	Inspectors							1,500
								2,000
	Chief Cler							2,000
1	Assistant (Chief	Cle	'k				2,000
	Clerk and							1,700
	Clerk .							1,500
					•			1,240
	Stenograph							1,400
	Chauffeur							1,400
1	Stenciller							1,400

STATEMENT OF APPROPRIATION AND EXPENDITURES FROM FEBRUARY 1, 1923, TO JANUARY 31, 1924, INCLUSIVE.

Approp	oriation						\$90,740 23				
	Expenditures.										
A-1.	Employees .				\$80,801	65					
F-7.	Dongiona				600						
B-1.	Printing and bine				929						
B-2.	Postage				220						
B-3.	Advertising .				126						
B-4.	Car fares .				2,849						
B-12.		d				00					
B-13.	Telephones .				297						
B-14.	Auto painting					00					
B-35.						00	•				
B-37.	Photo, etc .					10					
B-39.	Repairs, etc.					85					
C-9.	Metal desks .				1,162						
	Tools, etc.			·		95					
D-1.	Office forms, etc.			•	1,790						
	Gasolene, etc.		·		381						
	Photo material		·	·		65					
E-10.	Batteries .	•	•			90					
	Paint stock, etc.	•	•	•		62					
11 10.	raini stoon, coo.	•	•	•							
To	tal expenditures				\$89,311	70					
	lance in treasury				1,428						
	,						\$90,740 23				

LIST OF PROPERTY.—WIRE DIVISION.

- 1 1,500-volt Weston Direct Current Voltmeter.
- 5 300-volt Weston Direct Current Voltmeters.
- 2 300-volt Weston Alternating Current and Direct Current Voltmeters.
- 1 15-volt Weston Direct Current Voltmeter.
- 2 300-volt Weston Direct Current Double Reading Voltmeter.
- 1 120-volt Weston Direct Current Miniature Type Voltmeter.
- 1 150-volt Weston Direct Current Miniature Type Voltmeter.
- 1 500-volt Weston Direct Current Ammeter.
- 1 200-volt Weston Alternating Current Ammeter.
- 1 50-volt Weston Direct Current Ammeter.
- 1 15-volt Weston Alternating Current Ammeter.
- 1 1,500-volt Milamperes Weston Direct Current Mil-ammeter.
- 6 Bichloride of silver batteries, each 60 cells.
- 1 Queen testing set.
- 1 Touring car.
- 1 Runabout.
- 1 Ford truck.
- 1 Robe.
- 2 Cameras, complete

Miscellaneous tools used in connection with overhead construction.

Draughting instruments.

Respectfully yours,

Walter J. Burke, Superintendent, Wire Division.

THE DEPARTMENT ORGANIZATION.

Commissioner, Theodore A. Glynn. Chief Clerk, James P. Maloney.

Chief of Department, John O. Taber.

Dist. Chief, William H. McCorkle, in charge of Bureau of Supplies and Repairs.

Superintendent of High Pressure, Steam and Marine Service,

EUGENE M. BYINGTON.

Superintendent of Fire Alarms, George L. Fickett. Superintendent of Wire Division, Walter J. Burke.

Chief Operator and Assistant Superintendent of Fire Alarms, RICHARD DONAHUE.

Chief Clerk, Wire Division, FRANK H. RICE.

Medical Examiner, WILLIAM J. McNALLY, M.D.

CLERKS.

Fire Department.

James P. Maloney, Chief Clerk; Edward L. Tierney, Chief of License Division-Bureau of Fire Prevention; George F. Murphy, Herbert J. Hickey, John J. Coholan, William J. Hurley, Frank M. Fogarty, William J. O'Donnell, Thomas W. O'Connell, Warren F. Fenlon. Henry J. Eagan, Joseph F. O'Brien, James P. McKenna, Wm. D. Slattery, John J. Shea, James H. Finnerty.

Wire Division.

William McSweeney, Charles S. Carroll, Martin P. Cummings Selina A. O'Brien, Mary E. Fleming, May D. Marsh.

				$H_{\rm E}$	ADQU	ART	ERS.	٠			
											Per Annum.
1	Commissi	oner									\$7,500
1	Chief Cle	rk									2,500
1	Medical e	xami	ner								3,500
1	Secretary	and	sten	ogra	pher						2,200
	Executive								para	tus	· ·
	supplie										2,500
1	Clerk .										1,600
ī	Clerk .										1,500
	Clerk .										1,400
	Clerk .			·							1,200
_	Clerk .			·							1,000
_	Assistant										1,800
	Hosemen					-			•		1,800
2	Trosemen	(6161	IID)	•	•	•	•	•	•	•	1,000

^{*} Detailed from Fire-fighting Branch.

		F	RE	DEF	ART	MEN	NT.		79
1 J	anitress								Per Week \$20 00
1 0	amoress	•	•	•	•	•	•	•	Per Day.
El	evator Man								. \$4.00
	ovacor riam	•	•	•	•	•	•	•	. 41.00
15									
		FIRE	Ppr	D-37 TO NT	TITON	Вт	Dirati		
		FIRE	IA	EVEN	TION	DU	REAU	•	Per Annum.
1	Chief Fire P	reven	tion						. \$2,500
1	Clerk .								
	Clerk .								. 1,700
1	Clerk .		٠						. 1,200
1	Constable	• *	٠	•	٠		٠		. 1,500
5									
9									
		Fir	E-F	IGHTI	NG]	Brai	NCH.		
-	Cl. C CD	,							Per Annum.
1	Chief of Dep	partm	ent		٠	•	•		. \$5,000
$\begin{array}{c} 4 \\ 15 \end{array}$	Deputy chie District chie	eis .f.	•		٠	٠	•	•	4,000
				•	٠	•	•	•	3,500
0.4		•			٠		•	•	. 2,500 . 2,300
1	Aide-to-Chi	ef (lier	iten	ant.)	•	٠		٠	2,300
1	Aide-to-Con	nmissi	oner	· (pri	vate`			•	1,800
$\hat{3}$	Engineers (1	narine	9)	(121					2,000
48	Engineers								. 1,900
51	Assistant E	nginee	$_{ m rs}$. 1,800
2	Assistant en								. 1,700
927	Privates:								
	807 .								. \$1,800
	25 .								\$1,700-\$1,800
	42 .								\$1,600-\$1,700
	17 .								\$1,500-\$1,600
	36 .					٠			\$1,400-\$1,500
1 01	- 9								
1,21	3								
	В	UREAU	σSτ	JPPLI	ES A	ND .	REPA	IRS.	
	D:		,						Per Annum.
1	District Chi	et in c	char	ge	•		•	•	. \$3,500
1	Superintend		ugn	Pre	ssure) 51	eam	an	
1	Marine Serv Supervisor,	nctor	anr	Sarati	10	•	•	•	. 3,800
	Shop forema		app	<i>j</i> arau	19	•	•	•	2,700 2,500
	Lieutenant,		an b	ose a	nd h	ame	ess sh	op	2,300
1	Auto engine	er (en	gine	er)				.1	2,500
1	Engineer an	d Arc	hite	ct					2,500
	Storkeeeper								. 2,000
1	Master plur	nber (engi	neer)					. 1,900
	Master carp								. 1,800

							Per Annum.
1	Master Painter						\$1,800
1	Master Painter Foreman auto mechanic Machinist (engineer) Privates Clerk in charge Clerk	•	•	•	•	•	
1	Machinist (ongineer)	•	•	•	•	•	1,900 1,900
16	Drivetes (engineer) .	•	•	•	•	•	
10	Clark in change	•	•	•	•		1,800
1	Clerk in charge	٠	•	•	•	•	2,000
1	Clerk	٠		•		•	1,400
1	Clerk	•	•	•	•	•	1,500
1	Stenographer	•	•			•	1,000
7	Engineers	, .	. •			•	1,900
7	Engineers (High Pressure	Serv	nce)	~ ·			1,900
4	Engineers (High Pressure & Assistant engineers (High I	Pres	ssure	Serv	rce)		1,800
							Per Day.
3	High Pressure engineers	_					\$7 00
3	Firemen						5 50
		·	•	·	·	·	Pe r We ek.
7	Engineer						\$40 00
1	Engineer	•	•	•		•	*
							Per Annum.
1	Master steamfitter						1,800
							Per Day.
2	Plumbers						\$5 40
1			į			•	5 00
i	Steamfitter Leading painter	·	•			•	5 25
0	Painters	٠	•	•	•	•	5 00
9	Whoolwights	•	•	•		•	5 50
1	Painters	•	•	•	•	•	5 25
1	Machinists .	•	•	•		٠	5 00
4	Machinists Auto repairers Battery and ignition men	•	•	•	•	•	5 00
9	Detterm and imition man	•	•	•	•	•	5 00
2	Battery and ignition men	•	•	•	•	•	5 50
1	Auto repairer and tester Auto mechanic and machin		•	•	•	•	
1	Auto mechanic and machin	nst	٠	•	•	•	5 00
1	Auto blacksmith	٠	•	•	•	•	5 50
1	Battery and ignition man	•	•	•	•	•	5 50
4	Blacksmith's helpers				•		5 00
5	Blacksmith's helpers .	٠			•		4 25
4	Carpenters			•	•		5 00
2	Hose and harness repairers						5 00
1	Hose and harness repairer						4 50
1	Vulcanizer						4 50
1	Chauffeur						5 00
2	Teamsters						4 00
2	Laborers						4 00
1	Teamsters Laborers Steamfitter's helper						4 25

FIRE ALARM BRANCH.

							Per Annum.
1	Superintendent fire	alarm					. \$3,500
1	Assistant Superinter	ndent a	and	Chie	f Op	erator	. 3,000
	Supervising operator						. 2,400
3	Principal operators						. 2,300
3	Operators						. 2,200
4	Assistant operators						. 1,800
1		sliding	scal	le).			1,500-1,600
2	Assistant operators	(sliding	g sca	ale)			
1	Foreman construction						
1	Assistant foreman co	onstru	ctio	ı.			
1	Stockman						. 1,800
							Per Day.
	Machinist (7 day)						. \$5 25
2	Machinists (7 day)						
	Cable splicers .						. 5 75
5	Inside wiremen .						
4	Repairers and linem	en.					
9	Linemen						. 5 00
1	Laborer						4 00

CHIEF OF DEPARTMENT.

JOHN O. TABER.

Headquarters, Engine House 26–35, Mason Street. The Chief is in charge of the fire protection of the city, which is divided into three divisions, each commanded by a deputy chief, which are subdivided into fifteen districts, each commanded by a district chief.

Division 1.

Deputy Chief, Edward J. Shallow. Headquarters, Ladder House 8, Fort Hill Square. This division comprises Districts 1, 2, 3, 4, 5.

District 1.

District Chief, Henry J. Power. Headquarters, Ladder House 2, Paris Street, East Boston.

Apparatus Located in the District.— Engines 5, 9, 11, 31 (fireboat), 40, 47 (fireboat), Ladders 2, 21, Chemical 7.

District 2.

District Chief, John P. Murray.

Headquarters, Engine House 50, Winthrop Street, Charlestown.

Apparatus Located in the District.— Engines 27, 32, 36, 50, Ladders 9, 22.

District 3.

District Chief, CORNELIUS J. O'BRIEN. Headquarters, Ladder House 18, Pittsburgh Street. Apparatus Located in the District.— Engines 25, 38, 39, 44 (fireboat), Ladders 8, 18, Water Tower 3.

District 4.

District Chief, Charles A. Donohoe.

Headquarters, Engine House, 4 Bulfinch Street.

Apparatus Located in the District.— Engines 4, 6, 8, Ladders 1, 24, Water Tower 1.

District 5.

District Chief, ALBERT J. CAULFIELD.

Headquarters, Engine House 26–35, Mason Street. Apparatus Located in the District.— Engines 7, 10, 26, 35, Ladder 17, Recue 1.

Division 2.

Deputy Chief, HENRY A. Fox.

Headquarters, Engine House 22, Warren Avenue. This division comprises Districts 6, 7, 8, 11.

District 6.

District Chief, HARRY M. HEBARD.

Headquarters, Engine House 1, Dorchester Street, South Boston.

Apparatus Located in the District.— Engines 1, 2, 15, 43, Ladders 5, 19, 20.

District 7.

District Chief, Frank A. Sweeney.

Headquarters, Engine House 22, Warren Avenue.

Apparatus Located in the District.— Engines 3, 22, 33, Ladders 3, 13, 15, Water Tower 2.

District 8.

District Chief, Frank J. Sheeran.

Headquarters, Ladder House 12, Tremont Street.

Apparatus Located in the District.—Engines 13, 14, 37, Ladders 12, 26.

District 11.

District Chief, James F. McMahon.

Headquarters, Engine House 41, Harvard Avenue, Brighton.

Apparatus Located in the District.— Engines 29, 34, 41, 51, Ladders 11, 14.

Division 3.

Deputy Chief, Walter M. McLean.

Headquarters, Ladder House 23, Washington Street, Grove Hall.

This division comprises Districts 9, 10, 12, 13, 14, 15.

District 9.

District Chief, Joseph H. Kenney.

Headquarters, Engine House 12, Dudley Street.

Apparatus Located in the District.— Engines 12, 21, 23, 24, Ladder 4.

District 10.

District Chief, Francis J. Jordan.

Headquarters, Engine House 18, Harvard Street, Dorchester.

Apparatus Located in the District.— Engines 17, 18, 52, Ladders 7, 29.

District 12.

District Chief, JOHN N. LALLY.

Headquarters, Engine House 28, Centre Street, Jamaica Plain.

Apparatus Located in the District.— Engines 28, 42, Ladders 10, 23, 30.

District 13.

District Chief, MICHAEL J. KENNEDY.

Headquarters, Engine House 45, Corner Washington and Poplar Streets, Roslindale.

Apparatus Located in the District.— Engines 30, 45, 53, Ladders 16, 25.

District 14.

District Chief, ALLAN J. MACDONALD.

Headquarters, Engine House 46, Peabody Square, Dorchester.

Apparatus Located in the District.— Engines 16, 20, 46, Ladders 6, 27.

District 15.

District Chief, JOSEPH A. DOLAN.

Headquarters, Engine House 48, Corner Harvard Avenue and Winthrop Street, Hyde Park. Apparatus Located in the District.—Engines 19, 48, 49,

Ladder 28.

FIRE STATIONS.

LOCATION.

Location.	Number of Feet in Lot.	Occupied by
Dorchester and Fourth streets	8,167	Engine 1 and Ladder 5.
Corner of O and Fourth streets	4,000	Engine 2.
Bristol street and Harrison avenue	4,000	Engine 3 and Ladder 3.
Bulfinch street	6,098	Engine 4, Chemical 1 and Tower 1
Marion street, East Boston	3,265	Engine 5.
Leverett street	2,269	Engine 6.
East street	1,893	Engine 7.
Salem street	2,568	Engine 8.
Paris street, East Boston	4,720	Engine 9 and Ladder 2.
River street	1,886	Engine 10.
Saratoga and Byron streets, East Boston,	10,000	Engine 11 and Ladder 21.
Dudley street	7,320	Engine 12.
Cabot street	4,832	Engine 13.
Centre street	5,713	Engine 14.
Dorchester avenue	2,803	Engine 15.
Corner River and Temple streets	12,736	Engine 16 and Ladder 6.
Meeting House Hill, Dorchester	9,450	Engine 17 and Ladder 7.
Harvard street, Dorchester	9,440	Engine 18.
Babson street, Dorchester	7,683	Engine 19.
Walnut street, Dorchester	9,000	Engine 20 and Ladder 27.
Columbia road, Dorchester	10,341	Engine 21.
Warren avenue	7,500	Engine 22 and Ladder 13.
Northampton street	3,445	Engine 23.
Corner Warren and Quincy streets	4,186	Engine 24.
Fort Hill square	4,175	Engine 25 and Ladder 8, Rescue 1.
Mason street	5,623	Engines 26 and 35.
Elm street, Charlestown	2,600	Engine 27.
Centre street, Jamaica Plain	10,377	Engine 28 and Ladder 10.
Chestnut Hill avenue, Brighton	14,358	Engine 29 and Ladder 11.
Centre street, West Roxbury	12,251	Engine 30 and Ladder 25.
521 Commercial street, on land of Public Works Department.		

Fire Stations.— Concluded.

Location.	Number of Feet in Lot.	Occupied by
Bunker Hill street, Charlestown	8,188	Engine 32.
Corner Boylston and Hereford streets	5,646	Engine 33 and Ladder 15.
Western avenue, Brighton	4,637	Engine 34.
Monument street, Charlestown	5,668	Engine 36 and Ladder 22.
Corner Longwood and Brookline avenues,	5,231	Engine 37 and Ladder 26.
Congress street	4,000	Engines 38 and 39.
Sumner street, East Boston	4,010	Engine 40.
Harvard avenue, near Cambridge street, Brighton.	6,112	Engine 41 and Ladder 14.
Washington street, at Egleston square	3,848	Engine 42 and Ladder 30.
Andrew square	5,133	Engine 43 and Ladder 20.
Northern Avenue Bridge		Engine 44, fireboat.
Washington and Poplar streets, Roslindale.	14,729	Engine 45 and Ladder 16.
Dorchester avenue, Ashmont	4,875	Engine 46.
Adjoining South Ferry, East Boston	11,950	Engine 47, fireboat
Harvard avenue and Winthrop street, Hyde Park.	9,450	Engine 48 and Ladder 28.
Church street	3,412	
Milton and Hamilton streets	14,475	Engine 49.
Winthrop and Soley streets	5,230	Engine 50.
Oak square, Brighton	9,889	Engine 51.
Saratoga street, East Boston	9,300	Chemical Engine 7.
Corner Callender and Lyford streets	7,200	Chemical 11 and Ladder 29.
Corner Walk Hill and Wenham streets	11,253	Chemical 13.
Friend street	1,676	Ladder 1.
Dudley street	3,923	Ladder 4 and Chemical 10.
Main street, Charlestown	4,290	Ladder 9.
Tremont street	4,311	Ladder 12.
Harrison avenue	2,134	Ladder 17.
Pittsburgh street, South Boston	8,964	Ladder 18 and Tower 3.
Fourth street	3,101	Ladder 19.
Washington street, Dorchester	6,875	Ladder 23 and Chemical 5.
North Grove street	3,918	Ladder 24.

Headquarters Building, Bristol street, 15,679 feet of land.

Water Tower No. 2 is in Headquarters Building.

OTHER BUILDINGS.

Bureau S. & R. 363 Albany street, 8,000 feet of land. Veterinary Hospital, Atkinson street, 64,442 feet of land.

Coal station, Main street, Charlestown, 2,430 feet of land.

Building No. 11 Wareham street, used by the Fire Alarm Branch as workshop and storeroom, 8,500 feet of land.

Building No. 618 Harrison avenue, used as a department garage and repair shop and a school for chauffeurs and officers, 3,816 feet of land.

EXPENDITURES FOR THE YEAR.

Personal service:		
Permanent employees .	\$2,543,748 61	
Temporary employees .		
Unassigned	4.522 90	
		\$2,549,253 31
Service other than Personal:		Ψ2,010,200 01
Printing and binding .	. \$53 75	
Postage		
Advertising and posting .	. 260 30	
Transportation of persons		
Cartage and freight	. 429 92	
Hire of teams and auto trucks		
Heat	2,471 18	
Light and power		
Rent, taxes and water .	3,555 36	
Premium on surety bond		
Communication	2 673 84	
Motor vehicle repairs and care	18 101 16	
Motorless vehicle repairs.		
Closping	5,600 57	
Cleaning	25 00	
Victoria e wy	. 20 00	
Veterinary	. 900 00	
Fees, service of venires, etc.		
Boiler inspection		
Photographic and blueprinting		
General plant	. 95,901 93	
Horseshoeing and clipping	. 3,249 55	
		163,571 55
Carried forward		\$2,712,824 86

Brought forward		\$2,712,824 86
Equipment: Cable, wire, etc.	\$16,216 06	
Electrical	14,052 40	
Motor vehicles	284,144 11	
Stable	1,965 70	
Furniture and fittings	7,263 06	
Office	3,067 39 8 70	
Marine	8 70	
Tools and instruments	27,698 31	
Wearing apparel	33,798 75	
General plant	1,097 23	900 911 71
~		389,311 71
Supplies:	@C 001 00	
Office	\$6,821 20	
Food and ice	842 56	
Fuel	108,363 86 6,099 15	
Forage and animal	192 49	
Laundry, cleaning, toilet	2,337 82	
Motor vehicle	27,626 77	
Chemicals and disinfectants .	2,394 85	
General plant	3,778 72	
Cloth	121 00	
		158,578 42
Materials:		
Building	\$21,076 24	
Electrical	3,548 92	
General plant	33,649 44	FO 074 00
2 . 1		58,274 60
Special items:	\$260,314 69	
Pensions and annuities	834 67	
Workingmen's compensation.	004 01	261,149 36
		201,110 00
		\$3,580,138 95
Wire Division:		
Personal service:		
Permanent employees	\$80,801 65	
Service other than personal:		
Printing and binding, \$929 00		
Postage		
Advertising and post-		
Transportation of per-		
sons 2,849 22		
Premium on surety		
bond 6 00		
Carried forward	\$80,801 65	\$3,580,138 95

Communication . 297 21	\$80,801 65	\$3,580,138 95
Motor vehicle repairs and care 50 00		
Fees, service of venires, etc 2 00 Photographic and		
blueprinting 2 10 General plant 20 85		
General plant 20 65	4,503 08	
Equipment: Office \$1,162 30 Tools and instru-		
ments 33 95		
Supplies:	1,196 25	
Office \$1,790 60		
Motor vehicle 381 95 General plant 2 65		
Materials:	2,175 20	
Electrical \$9 90 General plant		
General plant 25 62	35 52	
Special items: Pensions and annuities	600 00	
rensions and annuries		89,311 70
		\$2,660,450,65
		\$3,669,450 65
Engine 7, New 1	Building.	
Payments on account: Contractors, C. & R. Construction Advertising, blueprints, etc.	Company,	\$21,886 00 4 32
		\$21,890 32
77 . 40 PT T		
Engine 40, New I	BUILDĮNG.	67 900 00
Contractor, John B. Dolan Architects		\$7,200 90 2,185 86
Test borings		163 15 123 59
Blueprints		5 00
		\$9,678 50

FIRE ALARM SIGN	AL STA	ATION,	Васк	BAY	FENS.							
					\$2,713	36						
Test posts					1,760							
Freights					103							
Borings					94							
Blueprints						10						
Biacpinito												
					\$4,679	70						
RECAPITULATION.												
					#2 660 450	er						
Fire Department Engine 7, new building	•	•		•	\$3,669,450							
Engine 7, new building		•		•	21,890	52						
Engine 40, new building Fire Alarm Signal Station	Do al	- Do	 Fana	•	9,678	70						
Fire Alarm Signal Station	i, Daci	с вау	rens	•	4,679	70						
					\$3,705,699	17						
	~				•							
	Inco											
Permits for fires in open s												
ing, transportation and				es,	\$15,676							
Sale of old material .					2,290							
Sale of apparatus, etc					1,530							
Sale of badges					1,327							
Sale of badges Damage to hose and cabl	е.				190							
Damage to fire alarm pos	ts and	boxes	3.		612							
Damage to door						91						
Damage to apparatus .					10							
Sale of manure					4							
Refund on freight						46						
Sale of manure Refund on freight Coal penalty Install fire alarm box .						88						
Install fire alarm box .						25						
Relocating post					58	80						
					\$21,760	43						
Wire Division:		·			00.070	00						
Permits	•				69,876	80						
					\$91,637	23						
						- April -						

ALARMS, FIRE LOSSES AND INSURANCE.

	royed	Totally Des	1	ಣ	:	C1	-	:	Н	23	1	1	4	23	188
	Damage Considerable.		12	18	13	=	11	-	00	ಣ	က	က	20	9	94
		Damage Slig	155	204	154	180	156	191	146	136	110	165	155	189	1,941
	.əu	Damage No	177	171	289	683	300	387	338	302	348	206	263	203	3,967
		Out of City.	4	ಣ	20	00	က	4	23	9	67	4	ಣ	4	51 3
	.Bail	Not in Build	40	31	165	009	221	303	273	241	295	406	179	118	2,872
's.	Офре	Extended to	-6	1	00		6	4	<u></u>	П	က	ಣ	41	4	-09
•3u	ibliua	Confined to	296	358	283	275	238	272	213	201	164	266	244	278	3,088
	-1	Needless.	59	55	59	38	33	20	26	46	25.5	39	48	54	532
10	STILL.	Fire.	182	185	256	528	238	323	288	244	252	382	238	200	3,316
ALARMS		Needless.	16	17	15	13	90	19	17	14	15	21	18	24	197
Ā	Bell.	False.	17	16	16	6	10	22	20	19	29	61	37	31	287
	m	Fire.	167	214	205	356	233	260	210	202	212	297	192	204	2,755
10 N		Contents.	\$3,599,333	2,736,100	812,682	5,979,402	2,596,476	1,205,515	3,512,113	2,122,973	795,525	3,009,592	3,092,906	1,607,402	\$31,070,019
one in	Insurance	Buildings.	\$6,679,926	5,762,606	4,626,378	4,802,591	3,173,155	5,163,844	4,584,329	2,358,049	3,666,217	3,754,920	4,076,309	7,277,536	\$55,925,860
5	.00	Contents.	\$926,530	296,948	164,614	448,916	391,834	64,714	1,366,903	70,581	55,604	116,223	288,753	162,254	\$4,353,874
ldings.		Buildings.	\$352,376	261,481	154,211	164,474	186,487	68,195	206,459	59,045	43,250	79,120	205,794	151,534	\$1,932,426
		Total.	450	503	268	957	535	289	572	538	543	811	547	530	7,241
		.пиоплиП	17	15	20	-1	6	22	18	15	28	22	36	27	271 7
CEIVED.)M.	Automatic.	12	22	21	21	.18	20	16	14	12	15	29	23	223
	From Whom	Telephone.	148	139	210	409	188	237	198	171	189	298	190	182	3,559
ALARMS RE	FRO	Citizens.	256	296	294	484	301	384	309	316	298	412	273	280	188 3,903 2,559
A		Police.	=	22	14	18	11	14	22	20	11	119	15	11	188
		Members.	9	6	6	18	00	10	-6	7	್ತು	10	4	7	97
Моктив.			January	February	March	April	May	June	July	August	September	October	November	December	Totals

Causes of Fires and Alarms from January 1, 1923, to January 1, 1924.

Alarms, false, needless, bell		Hot ashes in wooden recep-	
and still	1,016	_ tacle	95
Alarms, out of city	51	Incendiary and supposed.	27
Automatic alarms, false		Lamp upsetting and ex-	
and accidental	154	plosion	18
Automobiles	364	Miscellaneous	404
Brush, rubbish, etc	2,034	Oil stove, careless use and	101
Careless use lamp, candle.	51	explosion	73
Careless use matches and	O.I.	Orresponded furnace store	10
	395	Overheated furnace, stove,	114
set by rats	999	boiler	
Careless use pipe, cigar and	501	Set by boys	140
cigarette	501	Spark from chimneys,	105
Chimneys, soot burning	292	stove	135
Clothes near stove	19	Sparks from locomotive,	
Defective chimney, stove		engine	66
pipe, boiler	87	Spontaneous combustion	139
Electric wires, motors	173	Thawing water pipes	41
Fireworks and firecrackers,	46	Unknown	675
Gas jet, gas stove	66		
Gasolene, naphtha, ben-		Total	7,241
zine	11		
Grease in ventilator	54		
CIOUDCIII (CIICIIIIIIII)	01.		

	Fire Extinguished By								
1923.	Extinguishers.	Buckets of Water.	Chemical Engines.	Hydrant Streams.	Steamers.	Miscellaneous.	Citizens.		
January	87	22	56	40	27	69	44		
February	106	25	86	46	43	56	34		
March	106	35	86	62	31	105	31		
April	122	78	102	219	30	284	41		
May	94	42	95	95	29	65	48		
June	151	52	112	119	38	62	45		
July	93	50	67	135	49	55	44		
August	97	39	79	97	41	52	38		
September	94	38	62	124	38	77	29		
October	116	96	102	170	47	101	43		
November	75	46	75	69	30	99	33		
December	73	34	88	47	37	82	39		
Totals	1,214	557	1,010	1,223	440	1,107	469		

FIRES WHERE LOSSES EXCEEDED \$15,000.

	DATE.	Location and Owner.	Loss.
	1923.		
Jan.	10	58 and 60 Summer street, Abrahams Company et al	\$16,711
Jan.	13	230 Beacon street, Mrs. J. M. Jackson	35,221
Jan.	13	36 and 38 Hawkins street and 7½ Chardon street, S. M. Stewart Estate	25,783
Jan.	14	63 Mt. Veinon street, H. M. Sweet et al	105,250
Jan.	15	36 and 38 Fulton street, Abram Re Company et al	17,965
Jan.	19	140-148 Harvard avenue, W. P. & J. Cotter et al	49,201
Jan.	20	73 and 75 South street and 170–180 Essex street, L. Schapiro Shoe Company <i>et al.</i>	150,646
Jan.	22	118-128 Lincoln street, R. E. McDonald et al	598,816
Feb.	12	35-39 Arch street, M. Steinert & Son Company et al	41,760
Feb.	16	18 and 20 Chauncy street, Kaitz Brothers et al	23,446
Feb.	21	132-138 Worcester street, S. & A S. & F. E Pelonsky et al	55,980
Feb.	24	530-540 Atlantic avenue, F. P. Bennett & Co., Inc., et al	28,424
Feb.	27	326–330 Washington street, Dorchester, Norfolk Lodge of Odd Fellows et al	29,336
Feb.	27	1110-1130 Washington street and 106-112 Dover street, H. S. Gordon Leather Company et al	30,655
Feb.	27	124 and 126 Pearl street, Isabelle Anderson et al	25,889
March	a 2	524 and 526 Rutherford avenue, New England Newspaper Publishing Company et al	37,216
March	n 13	132 and 134 Washington street and 1 and 3 Dock square, D. Sears Real Estate Trust et al	46,888
March	n 29	Rear 81 Bristol street, J. F. Paul & Co. et al	25,299
March	a 30	65-69 Summer street, Johnson & Johnson et al	17,978
April	1	131–137 Washington street and 53–57 Brattle street, Leopold Morse Company	19,858
April	6	266-270 Border street, Acme White Lead and Color Works,	56,492
April	7	11–17 East street and 711 Atlantic avenue, American Hide and Leather Company	57,549
April	10	20 and 22 Purchase street and 361 and 363 Atlantic avenue, Liberty Trading Company et al	37,302
April	14	185 and 187 State street and 82 and 84 Central street, The Kelley Peanut Company et al	175,035
April	15	125-131 Federal street, H. S. Hunnewell et al	29,903
April	23	75 West Fifth street, Roman Catholic Church	22,588
April	25	116-124 Merrimac street, H. Traiser & Co., Inc	103,710
May	2	217 and 219 State street and 114 Central street, Webster Thomas Company et al	340,816
May	6	84-88 Hawley street, Kennedy's Clothing Company et al	20,736
May	26	121 and 123 East Dedham street, P. H. Graham & Sons et al.,	25,658
May	30	850 Washington street, Meyer Pearlmutter et al	16,467

Fire Losses.—Concluded.

I	DATE.	Location and Owner.	Loss.
May	31	35 and 37 Wareham street, American Slipper Manufacturing Company et al	20,31
June	20	76 and 78 Batterymarch street, Estate of Moses Kimball $\operatorname{\it et} al$	35,97
July	5	131-137 Kingston street, Star Manufacturing Company et al	17,42
July	16	199 Harrison avenue, Boston Shoe Polish Manufacturing Company et al	16,57
July	18	374-394 Congress street, Thomas Kelly Company et al	1,269,30
July	19	Mill street, Storehouse No. 30, W. Ellery et al	78,04
July	28	318 Broadway, Boston & Albany et al	46,14
Aug.	24	628-636 Washington street and 1-9 Essex street, Hyman Brothers $\epsilon t~al$	27,26
Sept.	13	67-73 Sudbury street and 9 Hawkins street, Capitol Uphol- stering Company et al	31,33
Oct.	6	118 Western avenue, Griffith Keiver Company et al	35,18
Oct.	8	160-166 North street, Bay State Upholstering Company et al	16,23
Nov.	1	694–702 Washington street and 2–12 Kneeland street, Freedman, Levine and Freedman et al	21,09
Nov.	16	605-611 Washington street, Weinberg Brothers et al	15,36
Nov.	17	65 and 67 Purchase street and 173 and 175 High street, S. M. Fay Estate et al.	79,45
Nov.	17	209 and 211 State street, The Murray Company et al	123,07
Nov.	18	1612-1620 Blue Hill avenue, Price Brothers & Mission et al.,	59,35
Nov.	22	107 and 109 Kingston street and 105 and 107 Essex street, Samuel Lieberman <i>et al</i>	15,94
Nov.	30	85-91 Essex street, B. & A. Skirt Co. et al	49,13
Dec.	7	605-611 Washington street, Massachusetts Skirt Company $\operatorname{et} al$.	17,58
Dec'	10	288-294 Devonshire street, Northern Commission Company et al.	24,41
Dec.	15	SS9-S99 Dorchester avenue, Samuel Levitt et al	15,51
Dec.	17	3089–3099 Washington street and 1 Beethoven street, D. W. & S. W. Littlefield $et\ al.$	27,36
Dec.	18	6-14 Congress street and 43 State street, State Street Exchange et al	16,13

STATISTICS.

Population, January 1, 1924 (estim:	ated) .		847,942
Area, square miles					47.81
Number brick, etc., buildings					34,957
Number of wooden buildings					78,825

Fires in brick and stone buildings . . . 1,784

	ooden build		andi		•	•	1,364	
					•		51	
Not in bu	y ldings .	•	•			•	2,872	
Not in bui	lungs .	•			•		1,170	
raise and	needless	٠	•		•	•	1,170	
						_	<u> </u>	
Total	alarms .							7,241
				_				
FIRE LOS	SS FOR THI	e Yr	EAR J	CNDI	NG I	ECE	MBEF	a 31, 1923.
Building le	oss insured							\$1,830,951
	oss insured	•	•					4,110,798
Contreins	oss msureu	•	•	•	•	•		1,110,100
								Ø5 041 740
								\$5,941,749
	oss not insu						1,473	
Contents l	oss not insu	ired				. 24	3,078	
								344,551
		•						
m-4-1	lana basilalia		- d	++	~			ee 200 200
Total	loss building	ıgs a	na co	ntent	S	•	٠ .	\$6,286,300
Marine los	ss							\$14,121
1/10/11/10 10		•	•	•	•	•	•	-
77				_	. 10		*7	
YEAR	LY Loss	FOR	THE	Las	T F	(FTE	en Y	EARS.
				Las		(FTE	en Y	
	LY Loss	1, 1	1909			FTE:	en Y	\$3,610,000
Year endir	ng February	7 1, 1 1, 1	1909				EN Y	\$3,610,000 1,680,245
Year endi	ng February "	7 1, 1 1, 1 1, 1	1909 1910 1911				EN Y	\$3,610,000 1,680,245 3,159,989
Year endin	ng February " " January	7 1, 1 1, 1 1, 1	1909 1910 1911 1912				EN Y	\$3,610,000 1,680,245 3,159,989 2,232,267
Year ending " " " " " " " " " " " " " " " " " " "	ng February " " January	7 1, 1 1, 1 1, 1 1, 1	1909 1910 1911 1912 1913				EN Y	\$3,610,000 1,680,245 3,159,989 2,232,267 2,531,017
Year ending " " " " " " " " " " " " " " " " " " "	ng February " January "	1, 1 1, 1 1, 1 1, 1 1, 1	1909 1910 1911 1912 1913		onths	s) .	EN Y	\$3,610,000 1,680,245 3,159,989 2,232,267 2,531,017 *3,138,373
Year endi	ng February " January "	1, 1 1, 1 1, 1 1, 1 1, 1	1909 1910 1911 1912 1913 1914		onth:	s) .	EN Y	\$3,610,000 1,680,245 3,159,989 2,232,267 2,531,017 *3,138,373 3,013,269
Year endi	ng February " January " "	7 1, 1 1, 1 1, 1 1, 1 1, 1 1, 1	1909 1910 1911 1912 1913 1914 1915		onths	s) .	EN Y	\$3,610,000 1,680,245 3,159,989 2,232,267 2,531,017 *3,138,373 3,013,269 3,004,600
Year endi	January " " " " " " " " " " "	7 1, 1 1, 1 1, 1 1, 1 1, 1 1, 1 1, 1	1909 1910 1911 1912 1913 1914 1915 1916		onth:	s) .	EN Y	\$3,610,000 1,680,245 3,159,989 2,232,267 2,531,017 *3,138,373 3,013,269 3,004,600 †2,372,489
Year ending " " " " " " " " " " " " " " " " " " "	January " " " " " " " " " " " "	7 1, 1 1, 1 1, 1 1, 1 1, 1 1, 1 1, 1 1,	1909 1910 1911 1912 1913 1914 1915 1916 1917		onth:	s) .	EN Y	\$3,610,000 1,680,245 3,159,989 2,232,267 2,531,017 *3,138,373 3,013,269 3,004,600 †2,372,489 ‡3,981,227
Year ending " " " " " " " " " " " " " " " " " " "	January " " " " " " " " " " " " " " " "	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	1909 1910 1911 1912 1913 1914 1915 1916 1917 1918		onth:	s)	EN Y	\$3,610,000 1,680,245 3,159,989 2,232,267 2,531,017 *3,138,373 3,013,269 3,004,600 †2,372,489 ‡3,981,227 2,822,109
Year ending " " " " " " " " " " " " " " " " " " "	January " " " " " " " " " " " " " " " " "	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	1909 1910 1911 1912 1913 1914 1915 1916 1917 1918 1919		onths	s)		\$3,610,000 1,680,245 3,159,989 2,232,267 2,531,017 *3,138,373 3,013,269 3,004,600 †2,372,489 ‡3,981,227 2,822,109 2,577,584
Year ending " " " " " " " " " " " " " " " " " " "	January " " " " " " " " " " " " " " " " " "	7 1, 1 1, 1 1, 1 1, 1 1, 1 1, 1 1, 1 1,	1909 1910 1911 1912 1913 1914 1915 1916 1917 1918 1919 1920		onths	s)		\$3,610,000 1,680,245 3,159,989 2,232,267 2,531,017 *3,138,373 3,013,269 3,004,600 †2,372,489 ‡3,981,227 2,822,109 2,577,584 3,139,566
Year ending " " " " " " " " " " " " " " " " " " "	January " " " " " " " " " " " " " " " " " "	7 1, 1 1, 1 1, 1 1, 1 1, 1 1, 1 1, 1 1,	1909 1910 1911 1912 1913 1914 1915 1916 1917 1918 1919 1920 1921 1922		onths			\$3,610,000 1,680,245 3,159,989 2,232,267 2,531,017 *3,138,373 3,013,269 3,004,600 †2,372,489 ‡3,981,227 2,822,109 2,577,584 3,139,566 4,010,201
Year ending " " " " " " " " " " " " " " " " " " "	January " " " " " " " " " " " " " " " " " "	7 1, 1 1, 1 1, 1 1, 1 1, 1 1, 1 1, 1 1,	1909 1910 1911 1912 1913 1914 1915 1916 1917 1918 1919 1920 1921 1922 1923		onths	s) .		\$3,610,000 1,680,245 3,159,989 2,232,267 2,531,017 *3,138,373 3,013,269 3,004,600 †2,372,489 ‡3,981,227 2,822,109 2,577,584 3,139,566 4,010,201 3,304,595
Year ending " " " " " " " " " " " " " " " " " " "	January " " " " " " " " " " " " " " " " " "	7 1, 1 1, 1 1, 1 1, 1 1, 1 1, 1 1, 1 1,	1909 1910 1911 1912 1913 1914 1915 1916 1917 1918 1919 1920 1921 1922	(11 m	onths	s) .		\$3,610,000 1,680,245 3,159,989 2,232,267 2,531,017 *3,138,373 3,013,269 3,004,600 †2,372,489 ‡3,981,227 2,822,109 2,577,584 3,139,566 4,010,201

^{*} Does not include marine loss of \$1,116,475, steamship "Templemore."
† Does not include marine loss of \$101,312, steamship "City of Naples" et al.
‡ Does not include marine loss of \$75,660.
Norm.— January loss, 1911, amounting to \$165,001, deducted from previous year and included in calendar year January 1, 1911, to January 1, 1912.

ALARMS FOR THE PAST TEN YEARS.*

Year.	Bell.	Still and Automatics.	Totals.
1923	3,239	4,002	7,241
1922	2,733	3,401	6,134
1921	2,359	2,888	5,247
1920	2,029	2,456	4,485
1919	2,733	2,690	5,423
1918	2,413	2,649	5,062
1917	2,252	2,526	4,778
1916	2,350	2,128	4,531
1915	2,847	2,590	5,437
1914	2,945	2,589	5,534

^{*} Each fire is treated as having only one alarm.

ROLL OF MERIT, BOSTON FIRE DEPARTMENT.

James F. McMahon, District Chief.
Edward McDonough. Captain, Engine Company 6.
Thomas J. Muldoon, Captain, Engine Company 16.
Thomas H. Downey, Captain, Engine Company 22.
Michael J. Teehan, Captain, Engine Company 24.
Joseph P. Hanton, Captain, Engine Company 33.
Dennis Driscoll, Captain, Engine Company 37.
Frederick F. Leary, Captain, Ladder Company 3.
Carl S. Bowers, Lieutenant, Aide to Chief.
Henry J. Kelly, Lieutenant, Engine Company 32.
Timothy J. Heffron, Lieutenant, Ladder Company 9.
Michael J. Dacy, Lieutenant, Ladder Company 20.
John J. Kennedy, Ladderman, Ladder Company 13.
Martin A. Kenealy, Captain, retired.
James E. Downey, Hoseman, retired.

Members Pensioned from February 1, 1923 to February 1, 1924.

William L. Kelley.
John J. Driscoll.
James F. Boyle.
Thomas A. Quinn.
Mellen R. Joy.
William S. Abbott.
John M. McEwan.
John M. Shanley.
Frank P. Elliott.
William Bowers.
John L. Gannon.
Frank A. Bailey.
David Isaacs.

Michael J. McNamara.
William J. Cox.
Arthur W. Helmund.
Benjamin F. Underhill.
Edward J. Reavey.
John E. Fleming.
Thomas Buckley.
Edward I. McLaughlin.
William A. Porter.
John Connell.
Peter J. Donovan.
Williard R. Pulsifer.
Frank Coyle.

DEATH OF MEMBERS FROM FEBRUARY 1, 1923 TO FEBRUARY 1, 1924.

Dennis J. Burnett. J. Paul Haynes. District Chief James J. Caine. Timothy F. Holland.

DEATH OF PENSIONERS FROM FEBRUARY 1, 1923 TO FEBRUARY 1, 1924.

Jonathan M. Morris.
Charles P. Smith.
Stephen W. Fletcher.
J. E. Corea.
William H. Guinan.
Cornelius H. Leary.
Charles P. Boudreau.
Ex. Commissioner and Chief
John Grady.
Ex. Chief of Department
Peter F. McDonough.
John Flavell.

Edward J. Lynch.

D. O'Riordan.
Lawrence Scallan.
John K. Weelock.
Themas F. Frazer.
Thomas W. Gowen.
James E. Nolan.
Lemuel A. Withington.
W. H. McDonald.
J. T. Weston.
Joseph Riley.
W. J. Muir.
Charles H. Windhorn.

BOSTON FIREMEN'S RELIEF FUND.

To t he Members of the Body Corporate of the Boston Firemen's Relief Fund, Boston, Massachusetts.

DEAR SIRS,—We hereby certify that we have audited the accounts of the Treasurer of the Boston Firemen's Relief Fund to the close of business August 31, 1924, and find them correct.

The deposits in the banks and the checks drawn thereon have been compared with the accounts received from the banks, and have been found to agree therewith, and are all properly entered on the books of the treasurer.

Income from all sources is accounted for. Payments are supported by proper vouchers or by paid checks, and the balance on hand at close of business August 31, 1924, is correct.

We have examined the securities belonging to the fund, and

find them as stated on schedules herewith.

We have seen a bond issued by the Employees' Liability Assurance Corporation to D. J. Cadigan, treasurer, for \$25,000.00.

A summary of receipts and disbursements for the year ending

August 31, 1924, is appended hereto.

Respectfully submitted,

Amos D. Albee Son & Co., Certified Public Accountants.

RECEIPTS	AND	DISBURSEMENTS	FROM	SEPTEMBER	1,	1923,	то
		August 3	31, 199	24.		,	

	Rece	ints.						
Amount received from Ball Interest on bonds		-		\$8,3		75	\$27,496	46
Less accrued interest paid				φ0,e	98	09		
Interest on Liberty Loan b	onds			. —			8,275 $2,059$	
Dividends on stocks .							237	50
Interest on deposits . Donations		•		•		٠	209 377	
City of Boston bonds matu	red	٠, .					11,000	00
American Telephone and Te West End Street Railway s	legra tock	sold	ghts •	sold ·			31 47	
							\$49,734	88
Cancelled checks, not used	•	•	•	•	•	•	28	
Dalamas Camtarahan 1 1009	,						\$49,762	
Balance, September 1, 1923	•	•	•	•	•	•	9,559	64
						-	\$59,322	52
		emeni						
Death and sick benefits, gra		-	nedic	eal at	ten		#20.000	
Calaria	•		•	•	•	•	\$28,028 800	
Treasurer's bond							62	
Free bed, Carney Hospital							300	
Free Dea, Teter Dent Dright	am 1.	rosbr	tal				200	
Free bed, Massachusetts Ge Box at First National Bank of	nera	l Ho	spita	l	•		200	
Box at First National Bank of	ot Ro	ston,	vau	its	•	•		
Auditing, twelve months Expenses, stationery, printing	·	to	•	•	•	٠	200	
Legal services	ng, e	U	•	•	•	•	430 849	
Bonds purchased			•	•	•	•	20,144	
Dalamas Englanda (Frank)	٦		0			-	\$51,224	77
Balance, Exchange Trust (ings Account	_			\$2.06	39 (67		
Balance, Exchange Trust Coing Account	mpa	ny C	heck	-				
Balance, Beacon Trust Con	ipan	y Sa	vings	3				
Account	omna	nv	•	3,00	00 (58 3)0 31		
							8,097	75
						9	\$59,322	52







